

FIG. 1

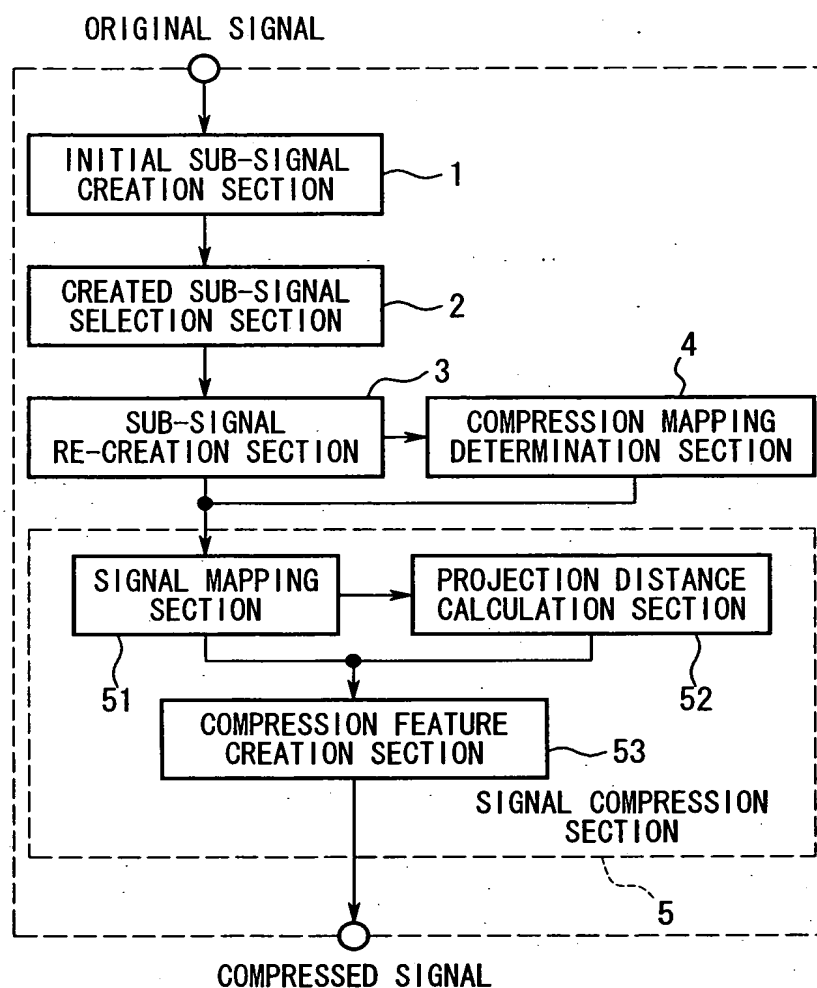


FIG. 2

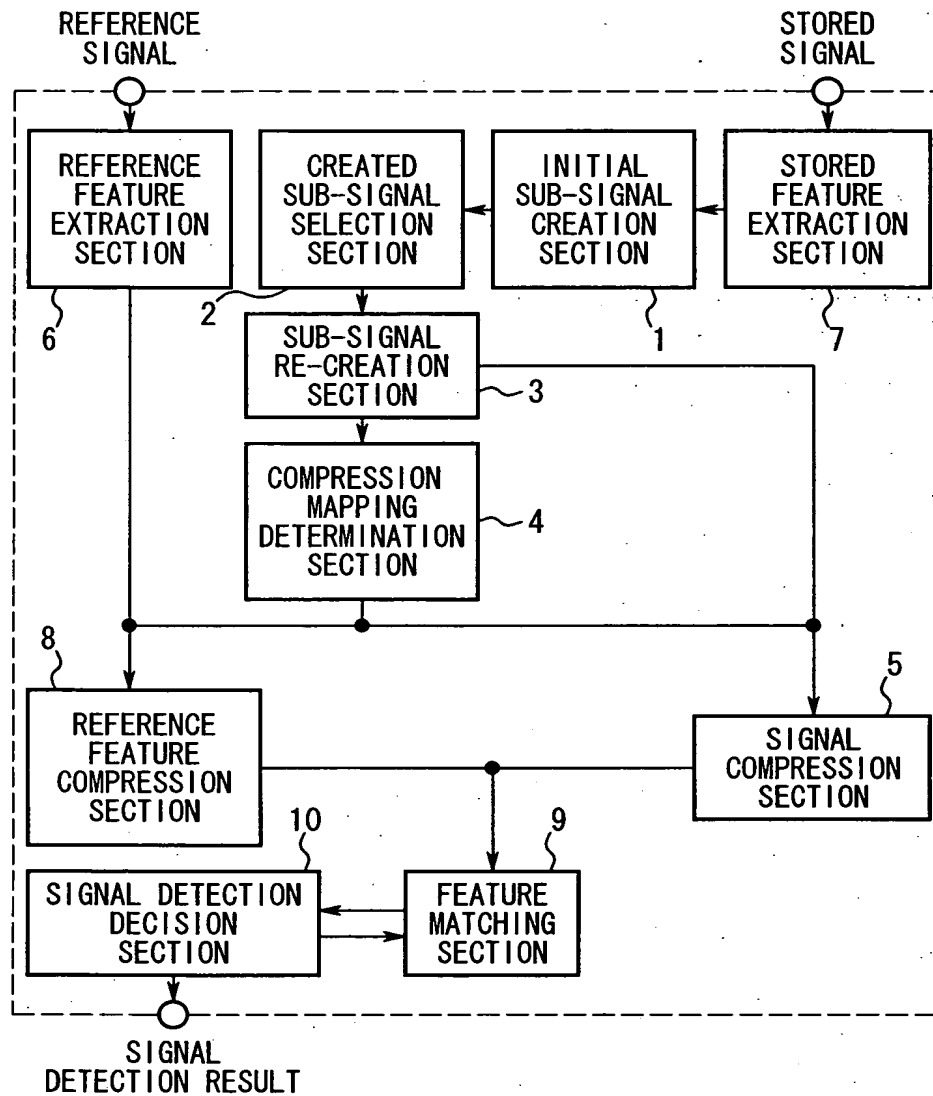


FIG. 3

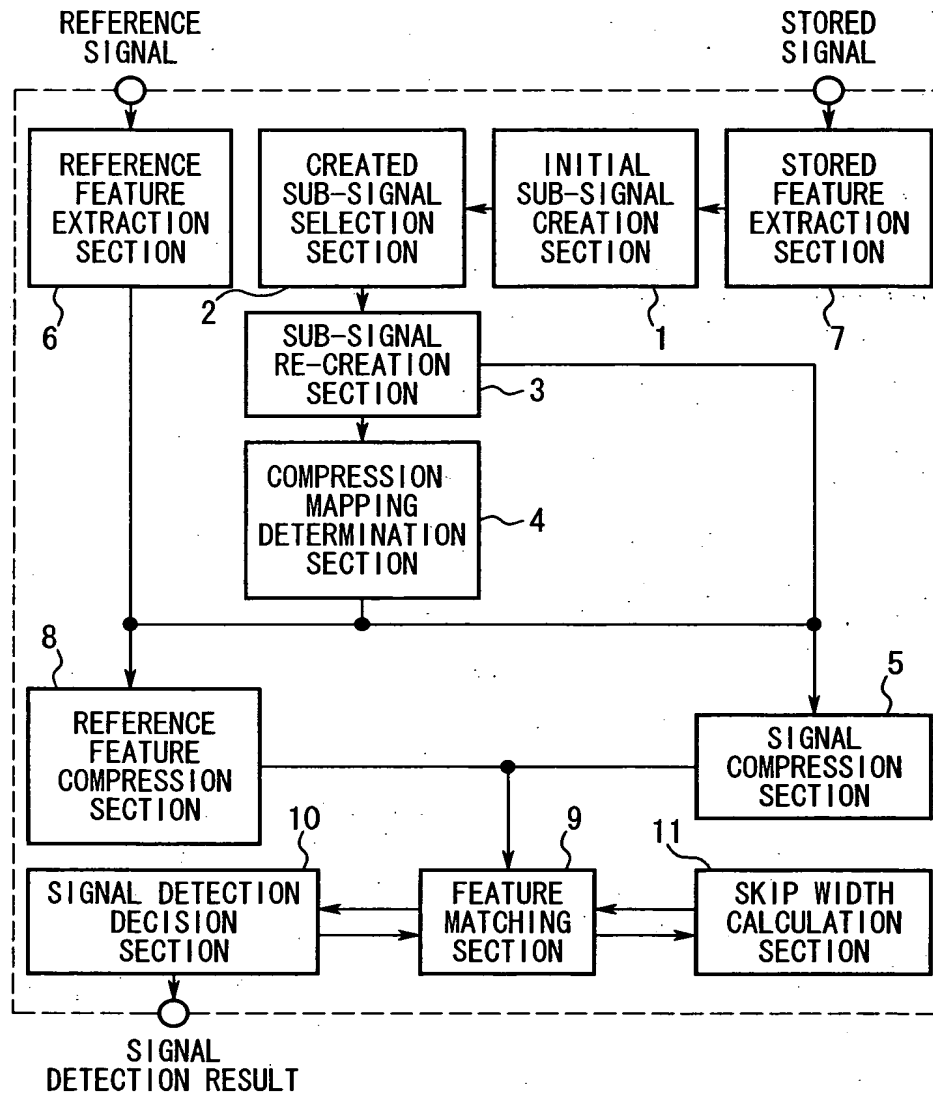


FIG. 4

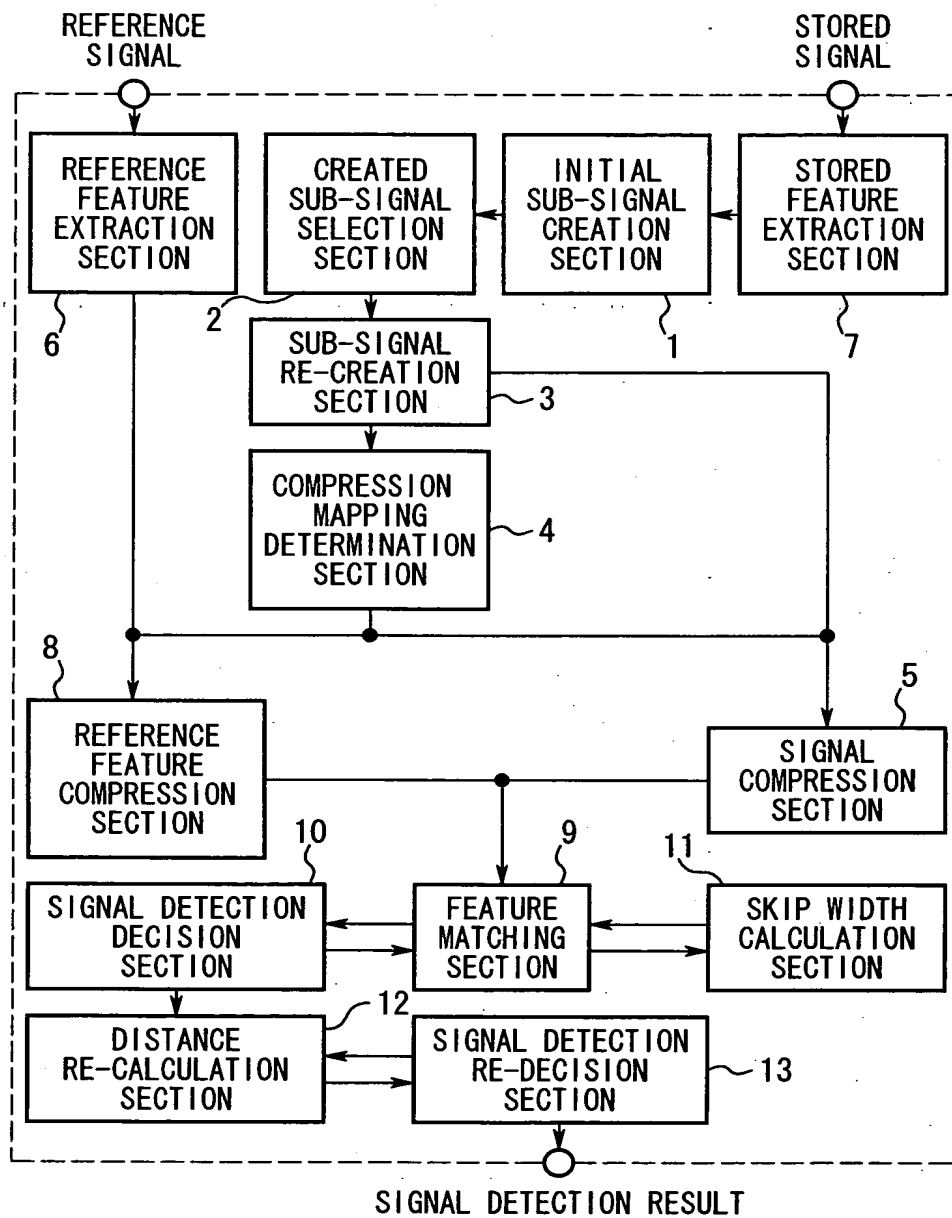


FIG. 5

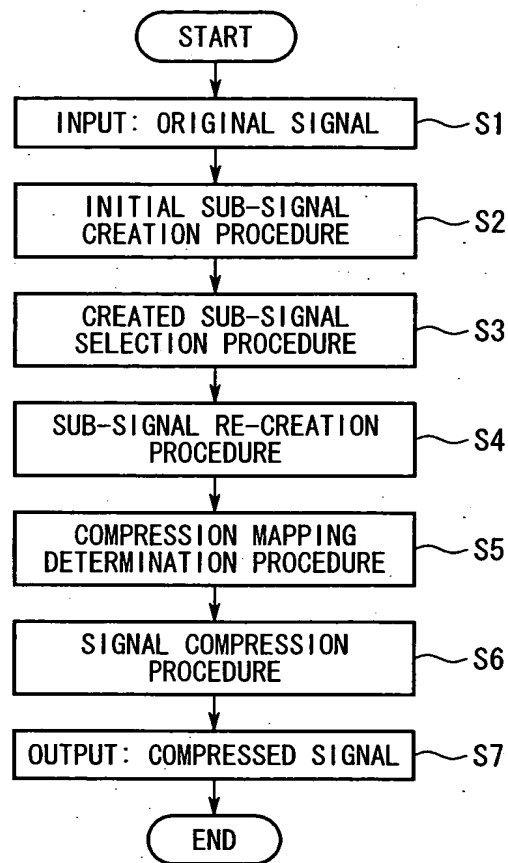
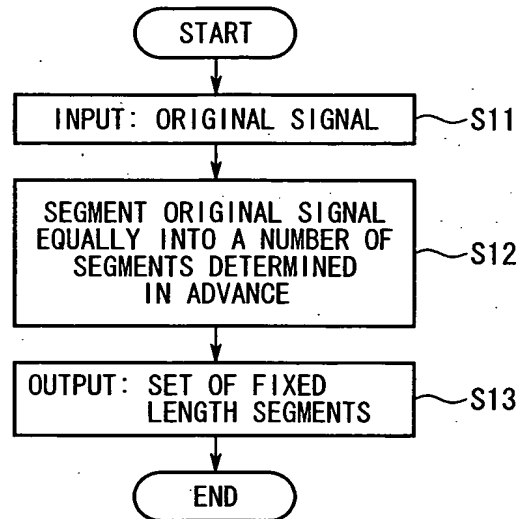


FIG. 6

INITIAL SUB-SIGNAL CREATION PROCEDURE



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CREATED SUB-SIGNAL SELECTION PROCEDURE

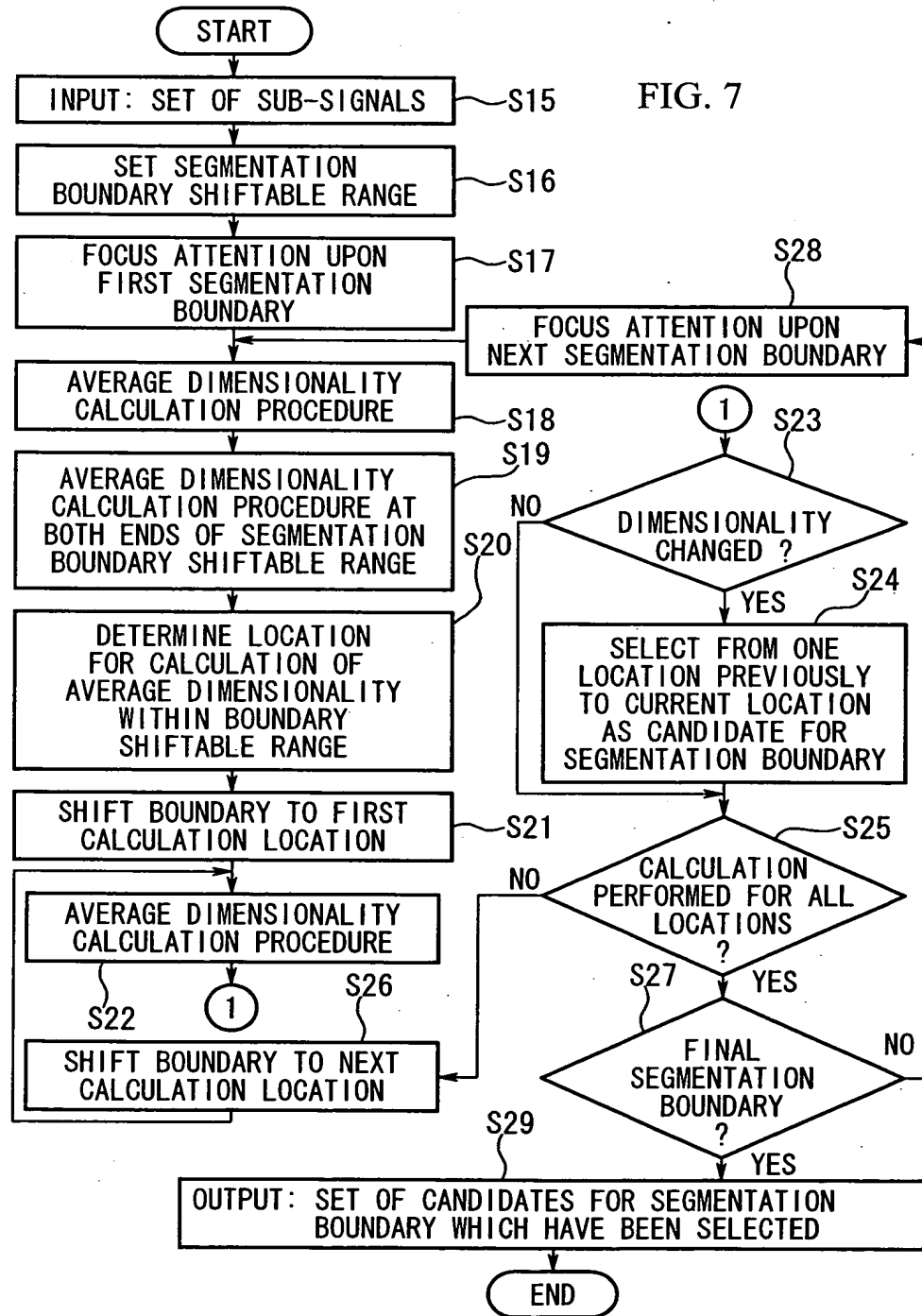


FIG. 8

AVERAGE DIMENSIONALITY CALCULATION PROCEDURE

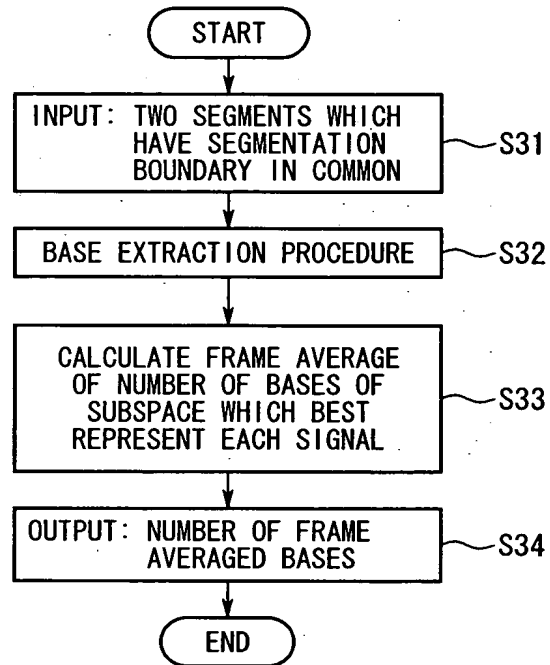
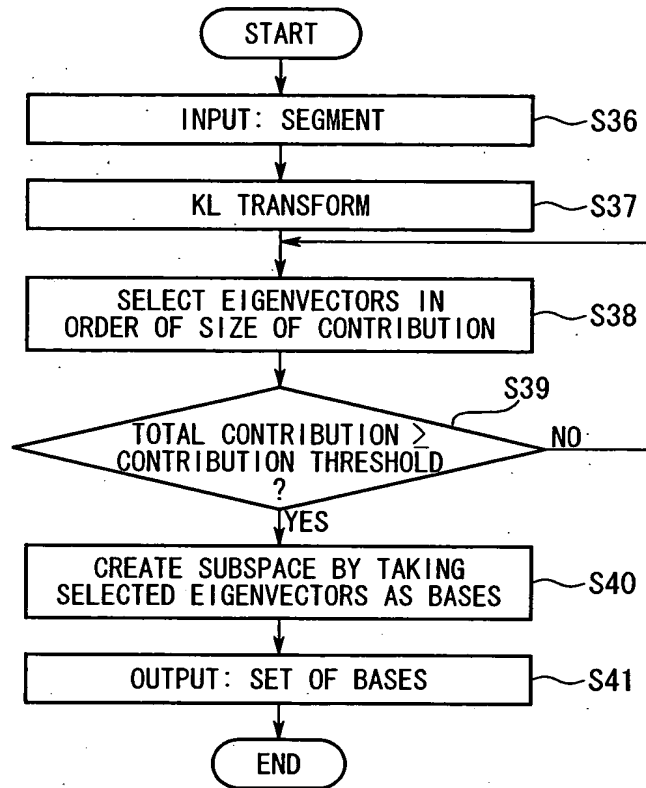




FIG. 9

BASE EXTRACTION PROCEDURE



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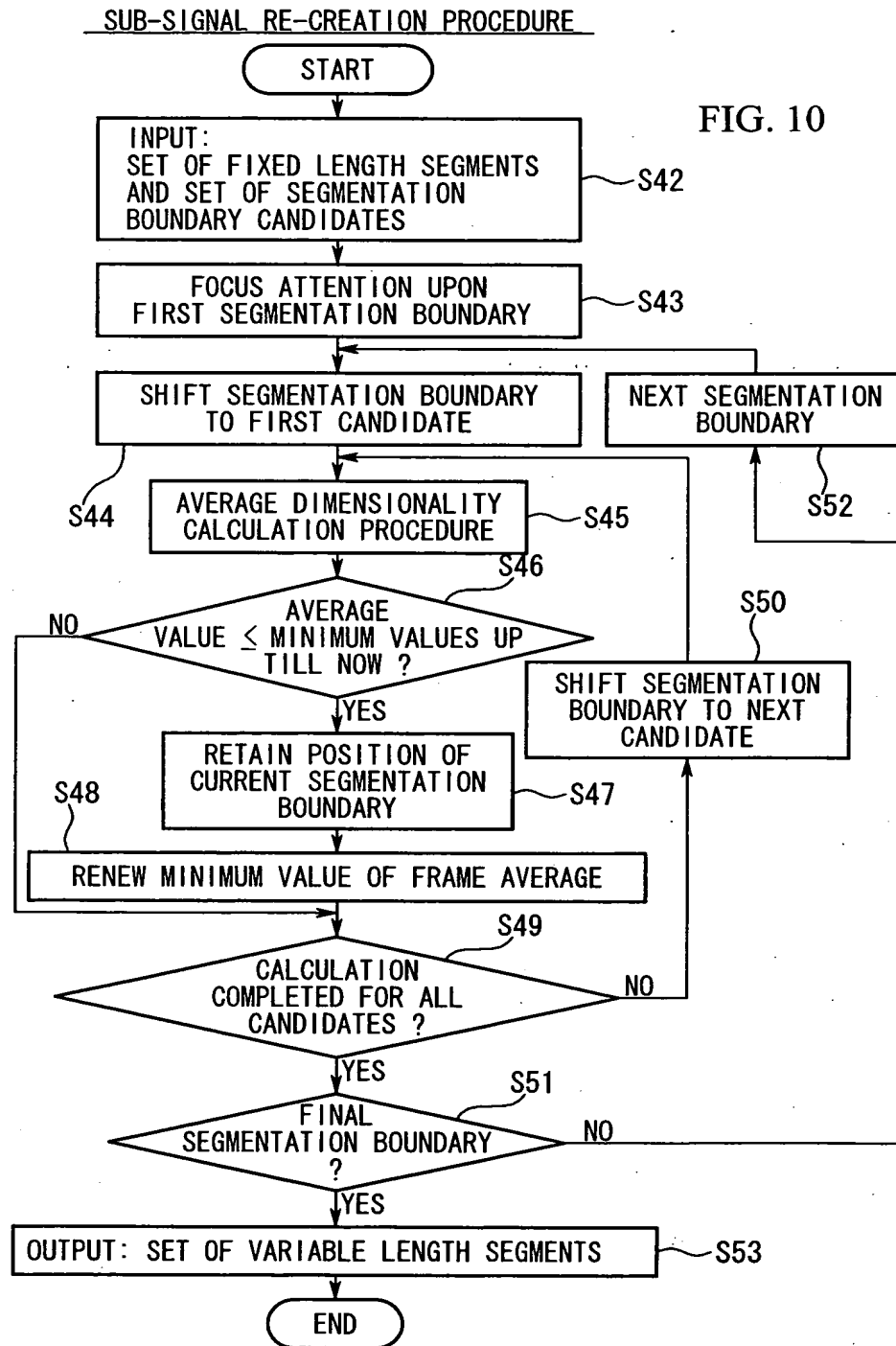


FIG. 11

COMPRESSION MAPPING DETERMINATION PROCEDURE

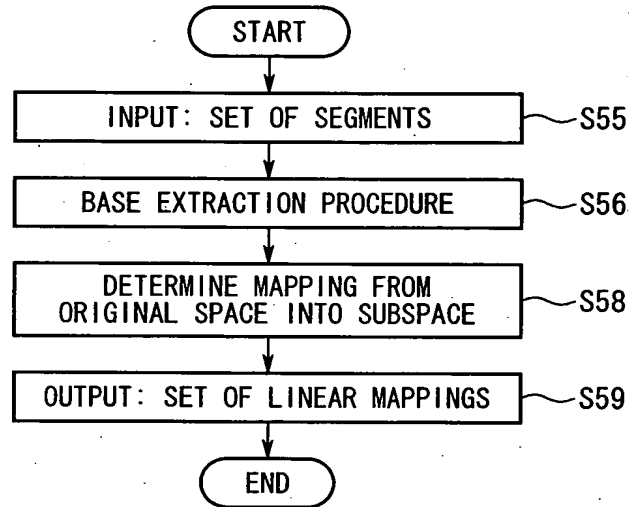
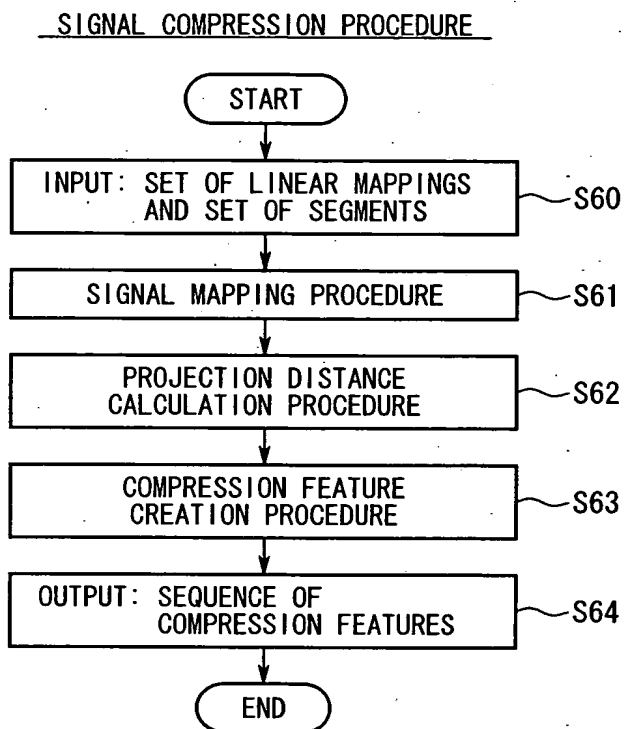


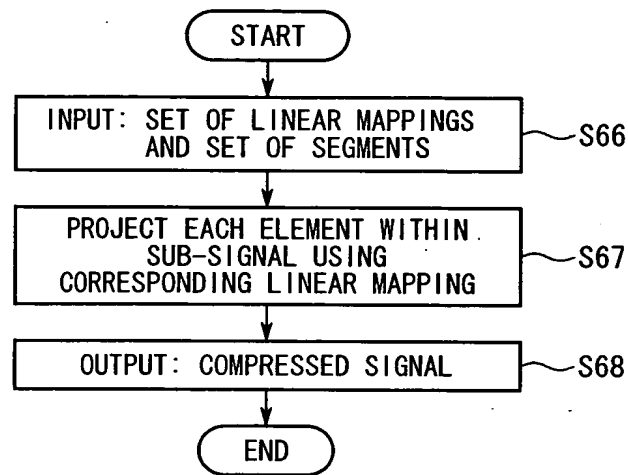
FIG. 12



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FIG. 13

SIGNAL MAPPING PROCEDURE



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FIG. 14

PROJECTION DISTANCE CALCULATION PROCEDURE

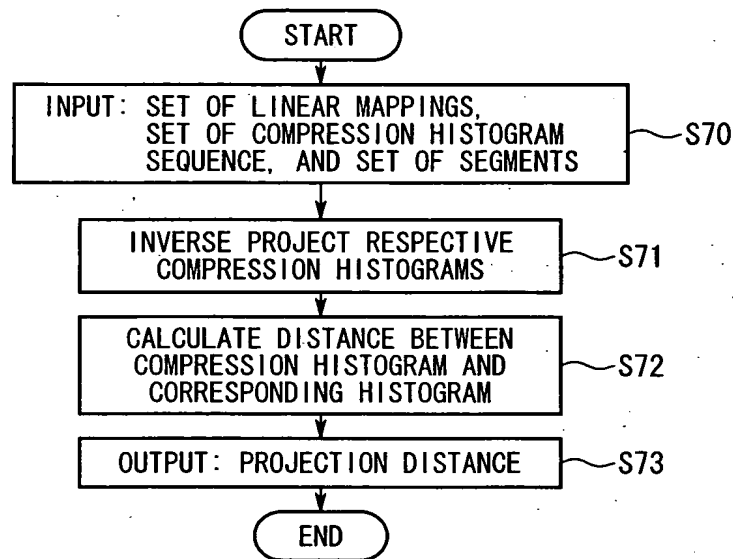


FIG. 15

COMPRESSION FEATURE CREATION PROCEDURE

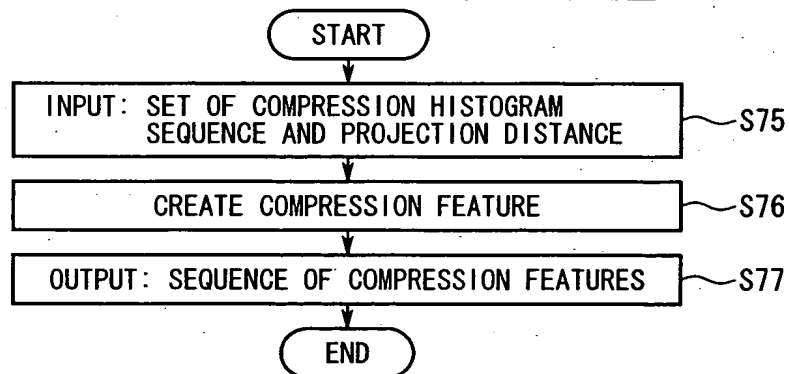


FIG. 16

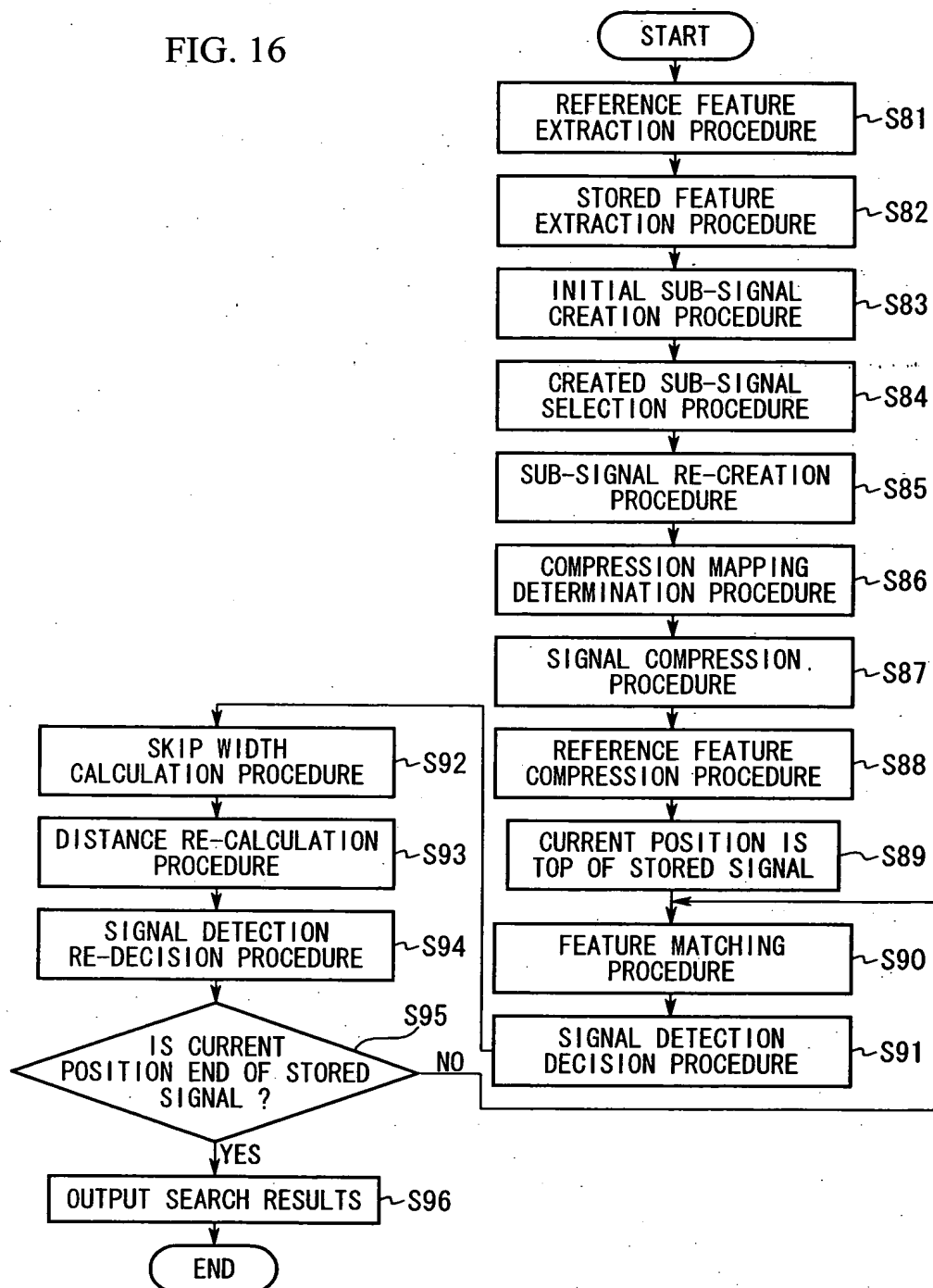
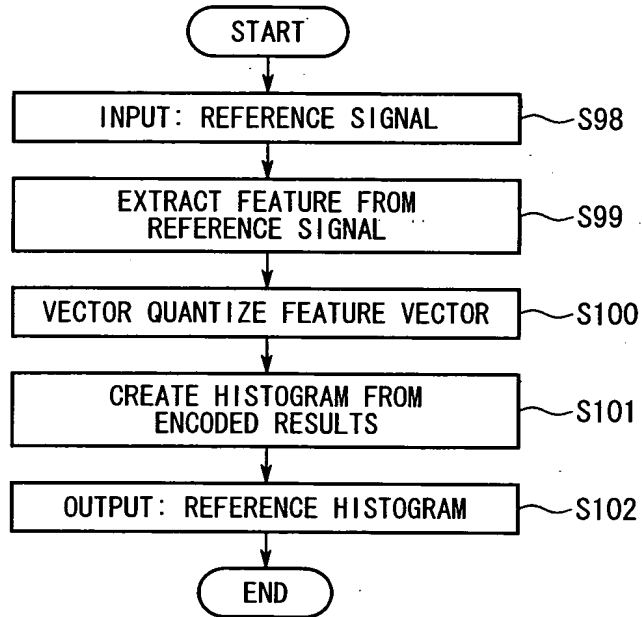


FIG. 17

REFERENCE FEATURE EXTRACTION PROCEDURE





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FIG. 18

STORED FEATURE EXTRACTION PROCEDURE

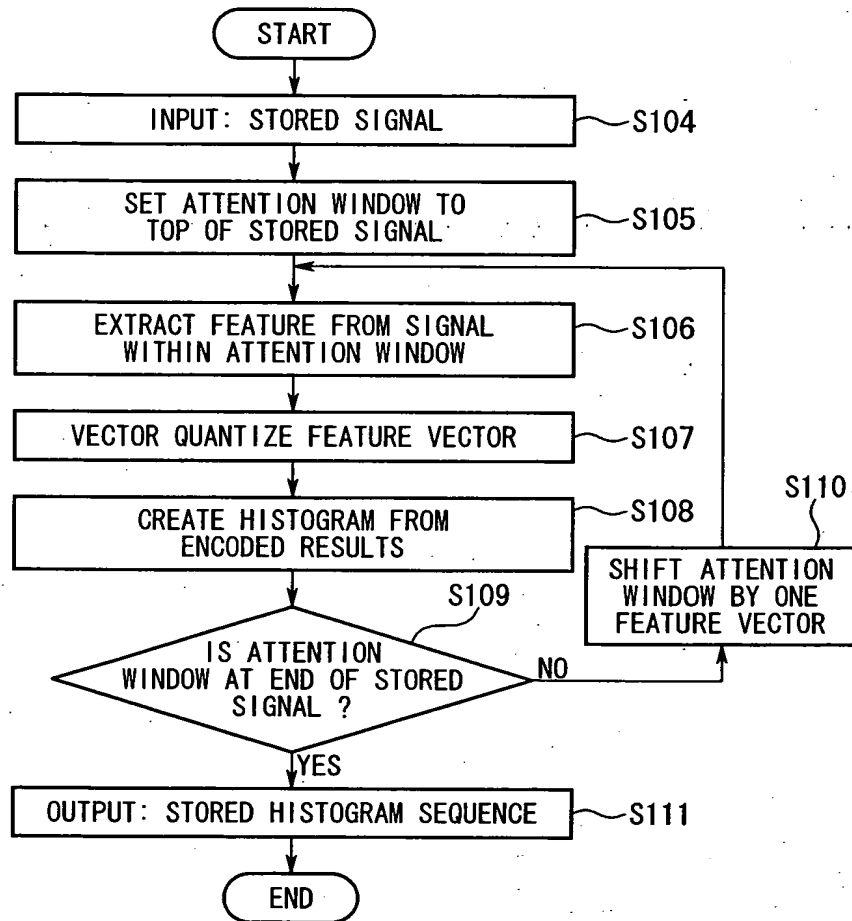
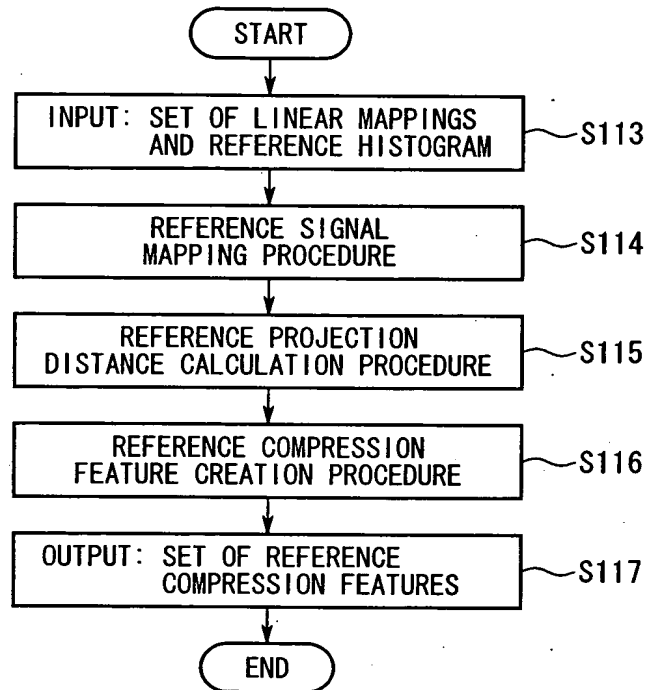


FIG. 19

REFERENCE FEATURE COMPRESSION PROCEDURE



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FIG. 20

REFERENCE SIGNAL MAPPING PROCEDURE

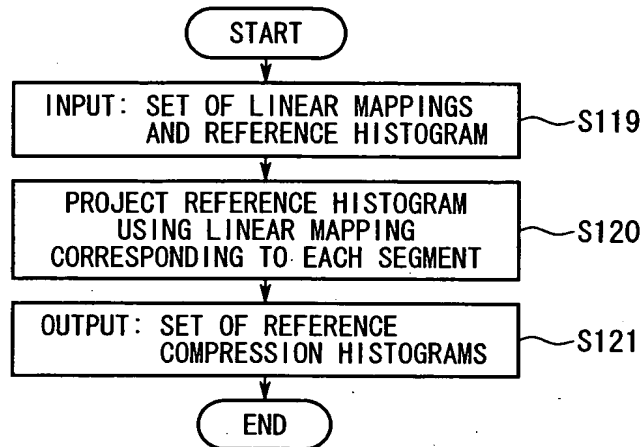
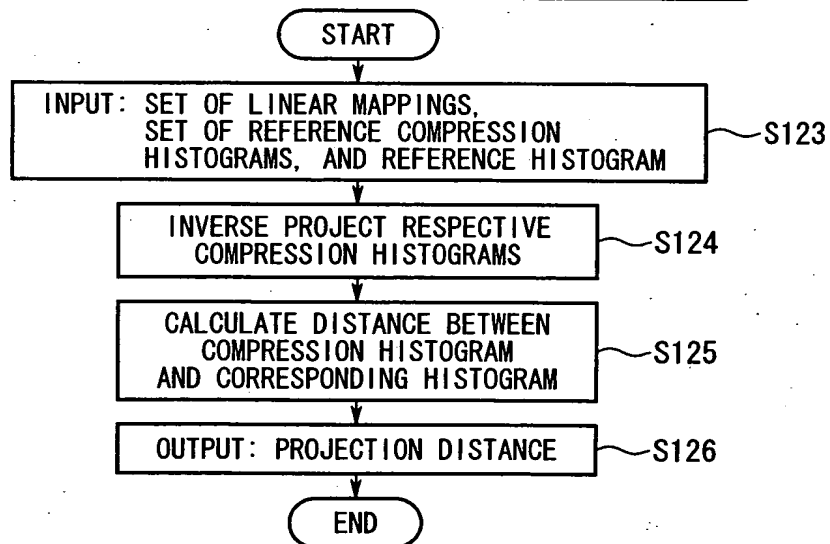


FIG. 21

REFERENCE PROJECTION DISTANCE CALCULATION PROCEDURE



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FIG. 22

REFERENCE COMPRESSION FEATURE CREATION PROCEDURE

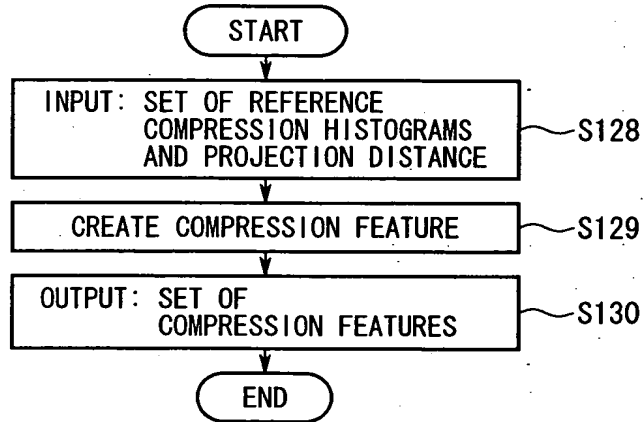


FIG. 23

FEATURE MATCHING PROCEDURE

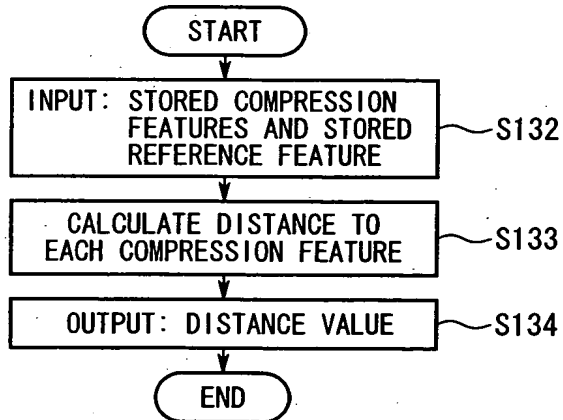
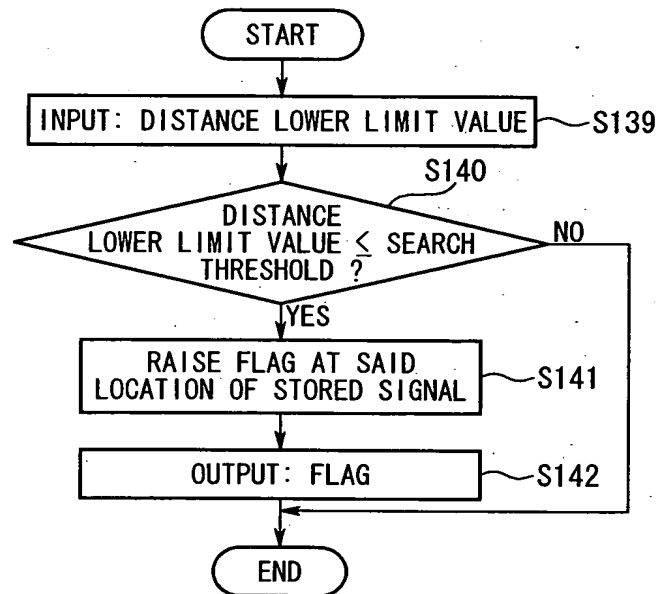


FIG. 24

SIGNAL DETECTION DECISION PROCEDURE



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FIG. 25

SKIP WIDTH CALCULATION PROCEDURE

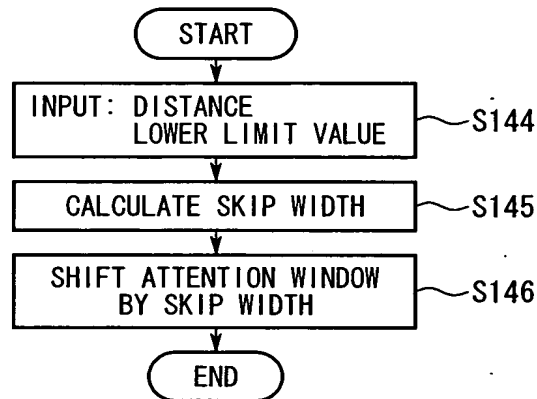
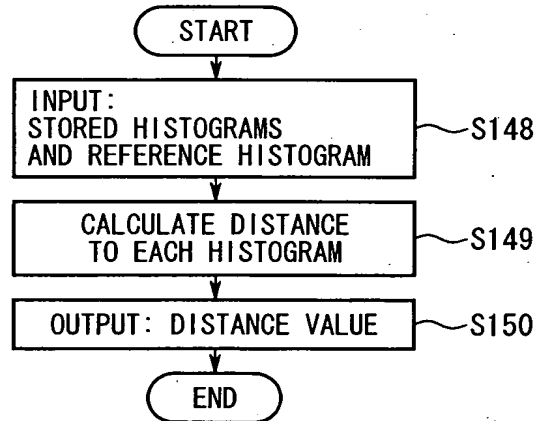


FIG. 26

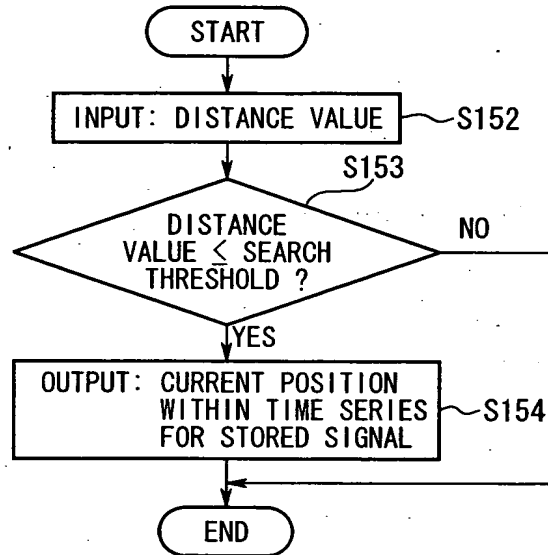
DISTANCE RE-CALCULATION PROCEDURE



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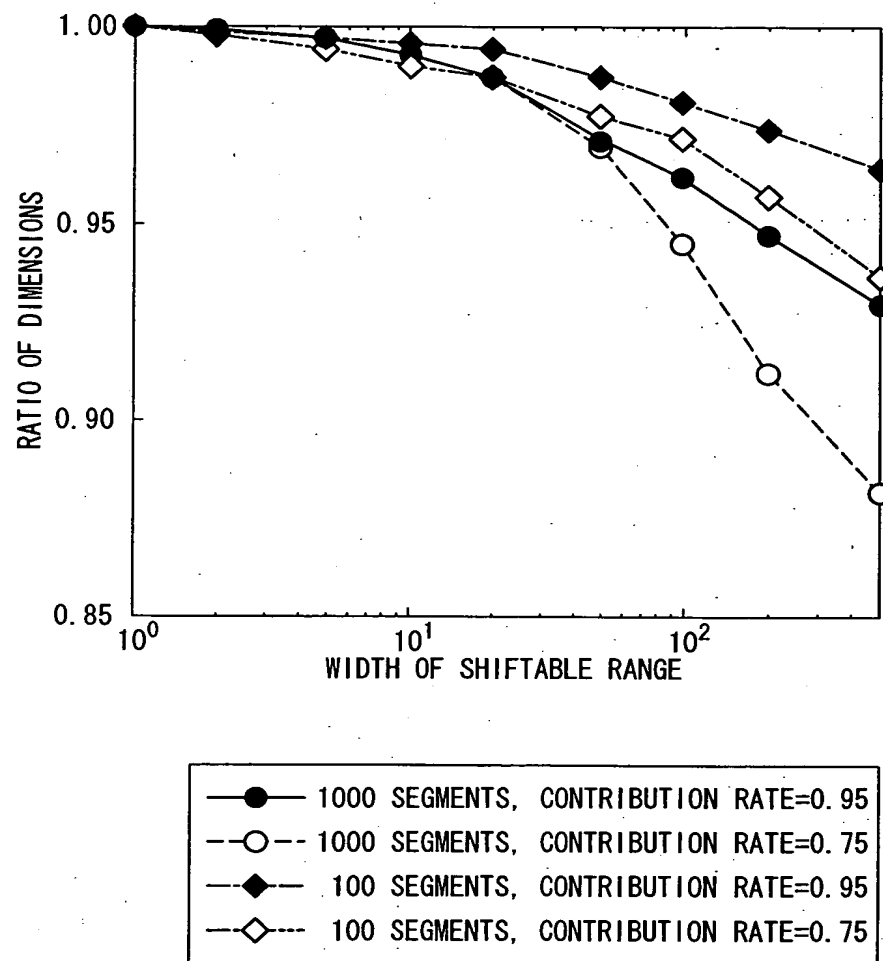
FIG. 27

SIGNAL DETECTION RE-DECISION PROCEDURE



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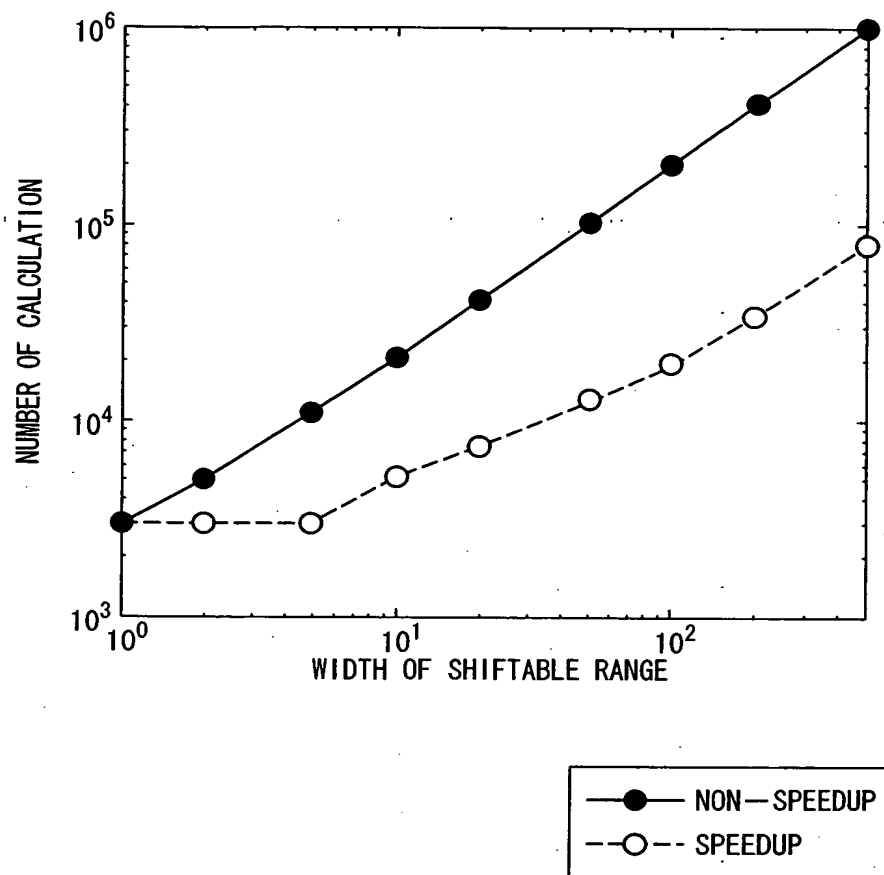
FIG. 28





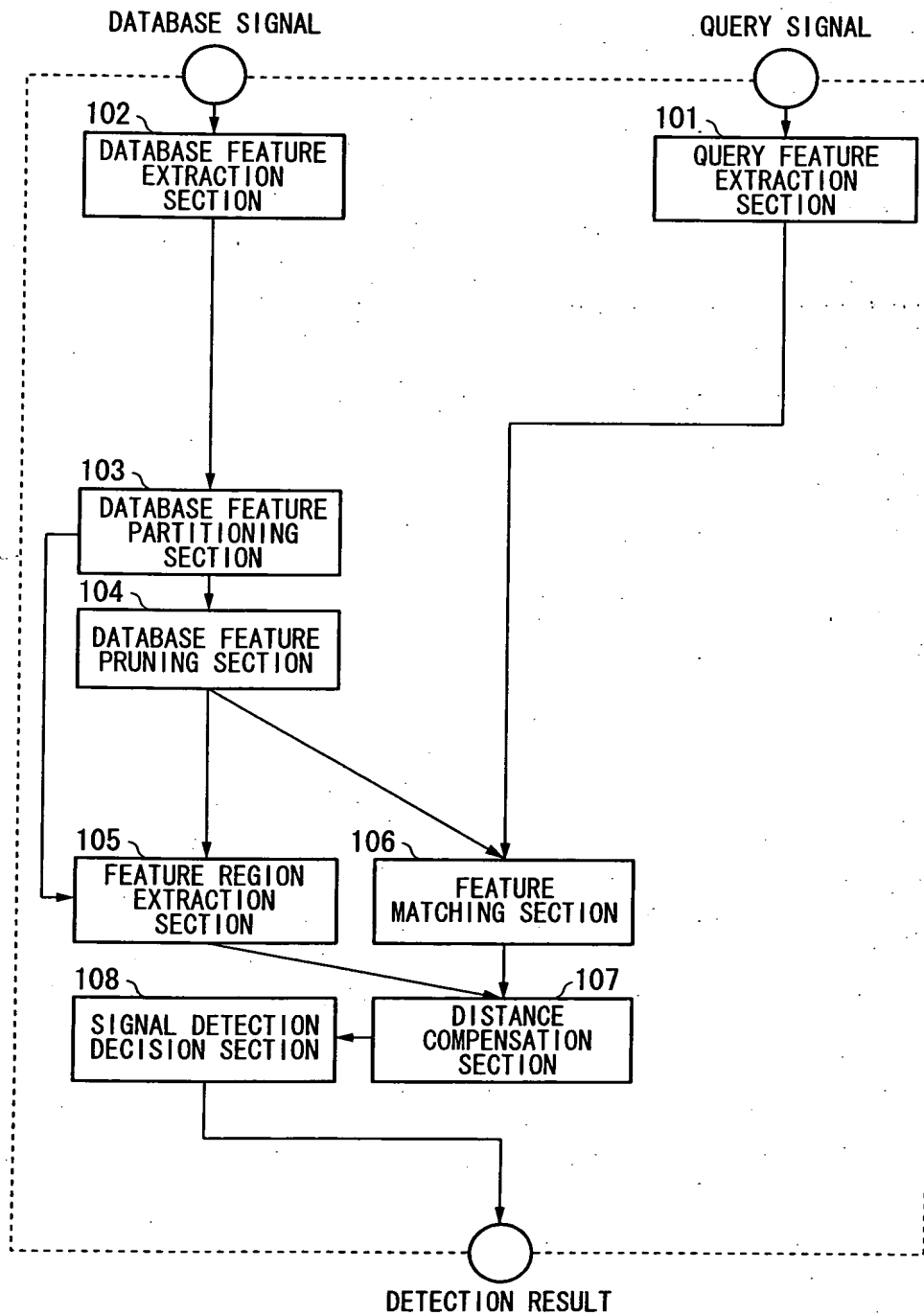
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FIG. 29



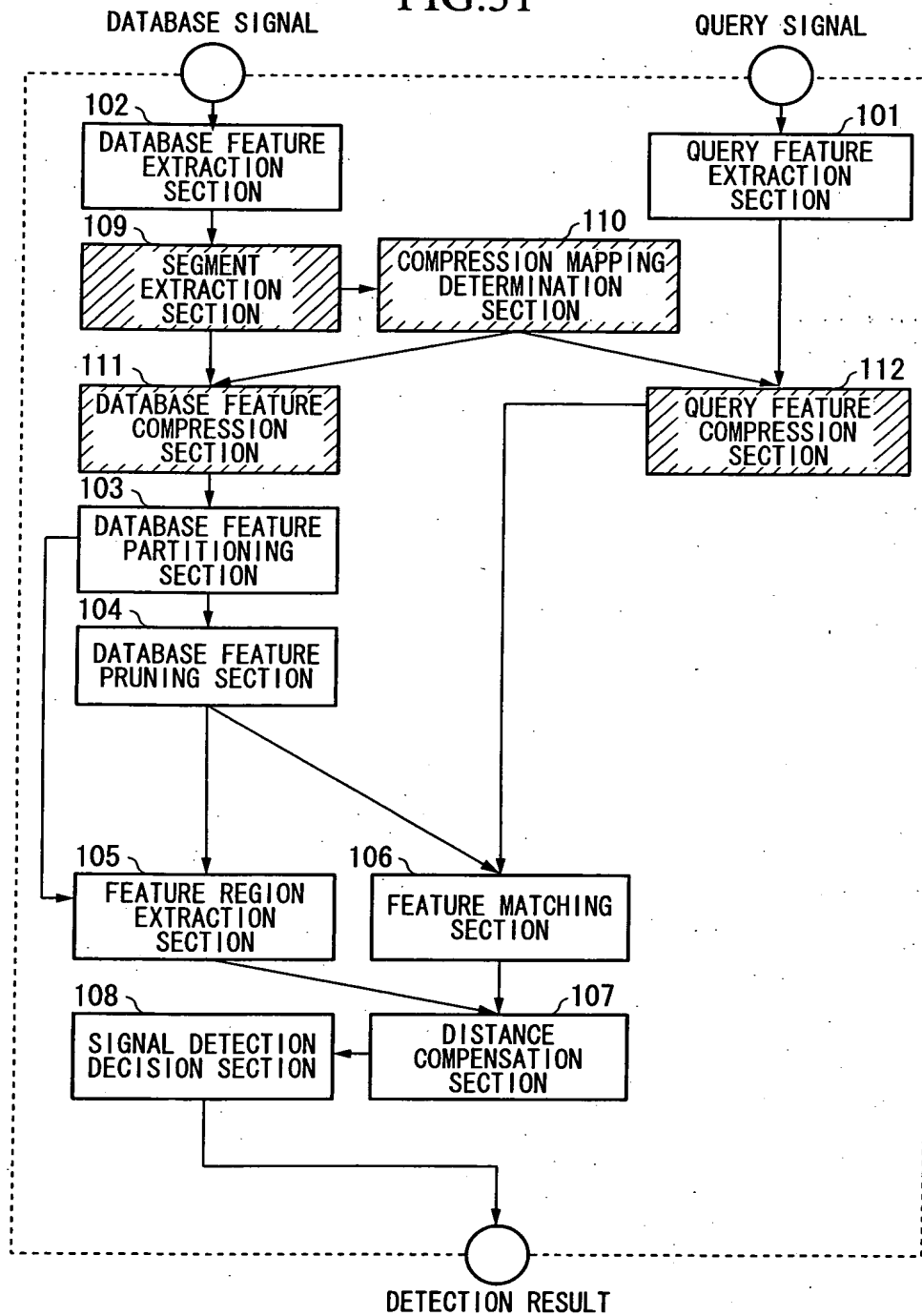
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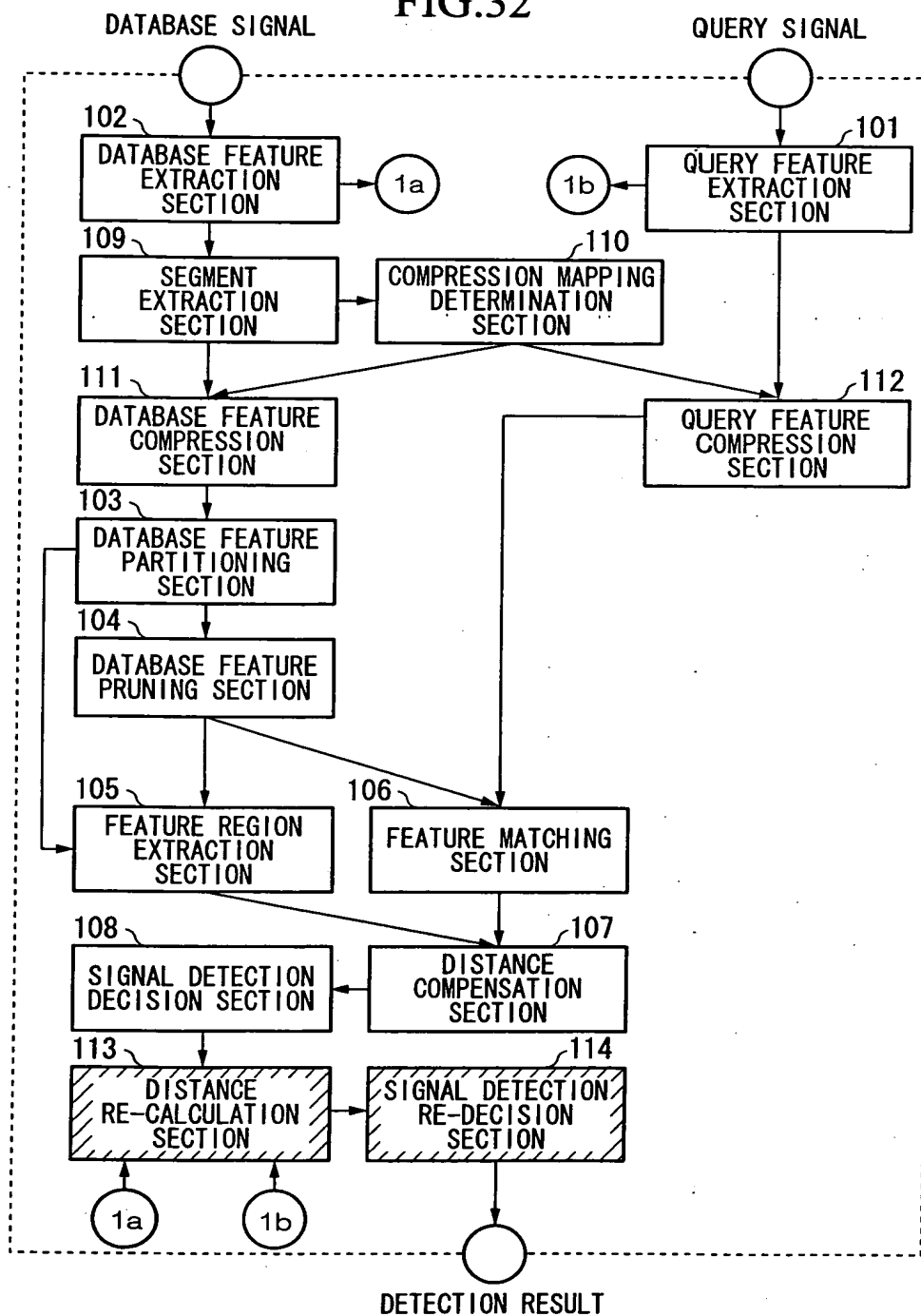
FIG.30



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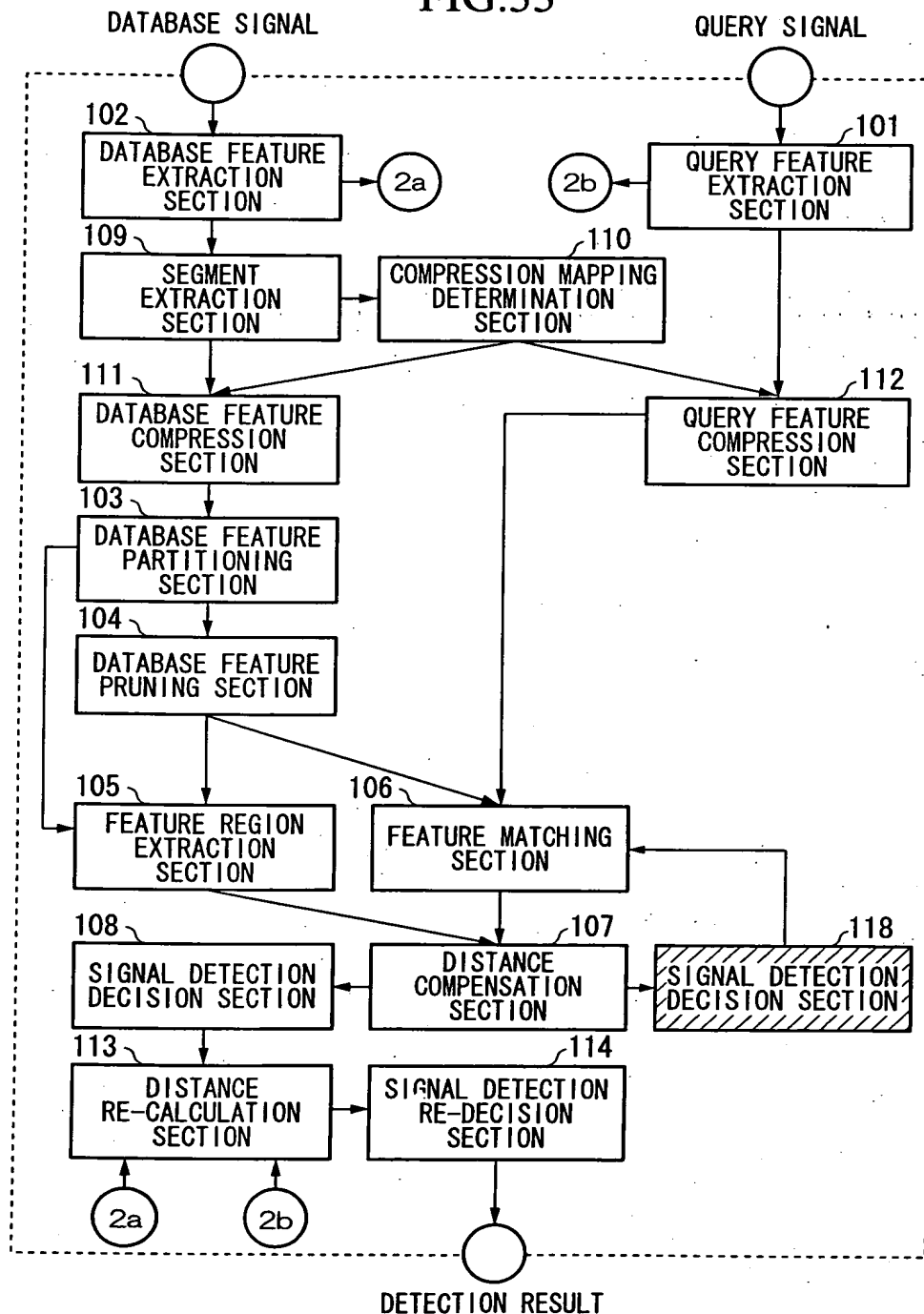
FIG.31





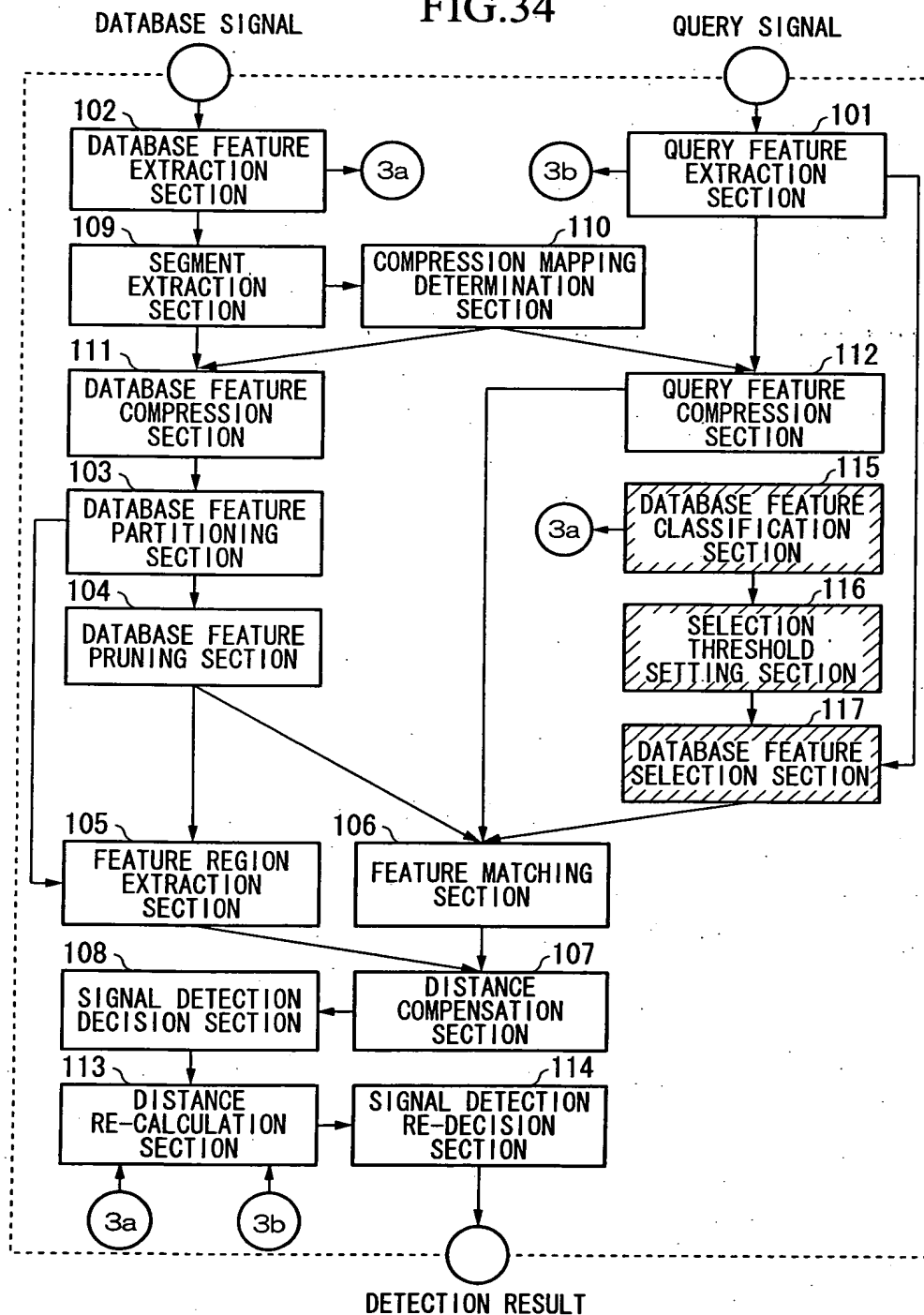
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FIG.33



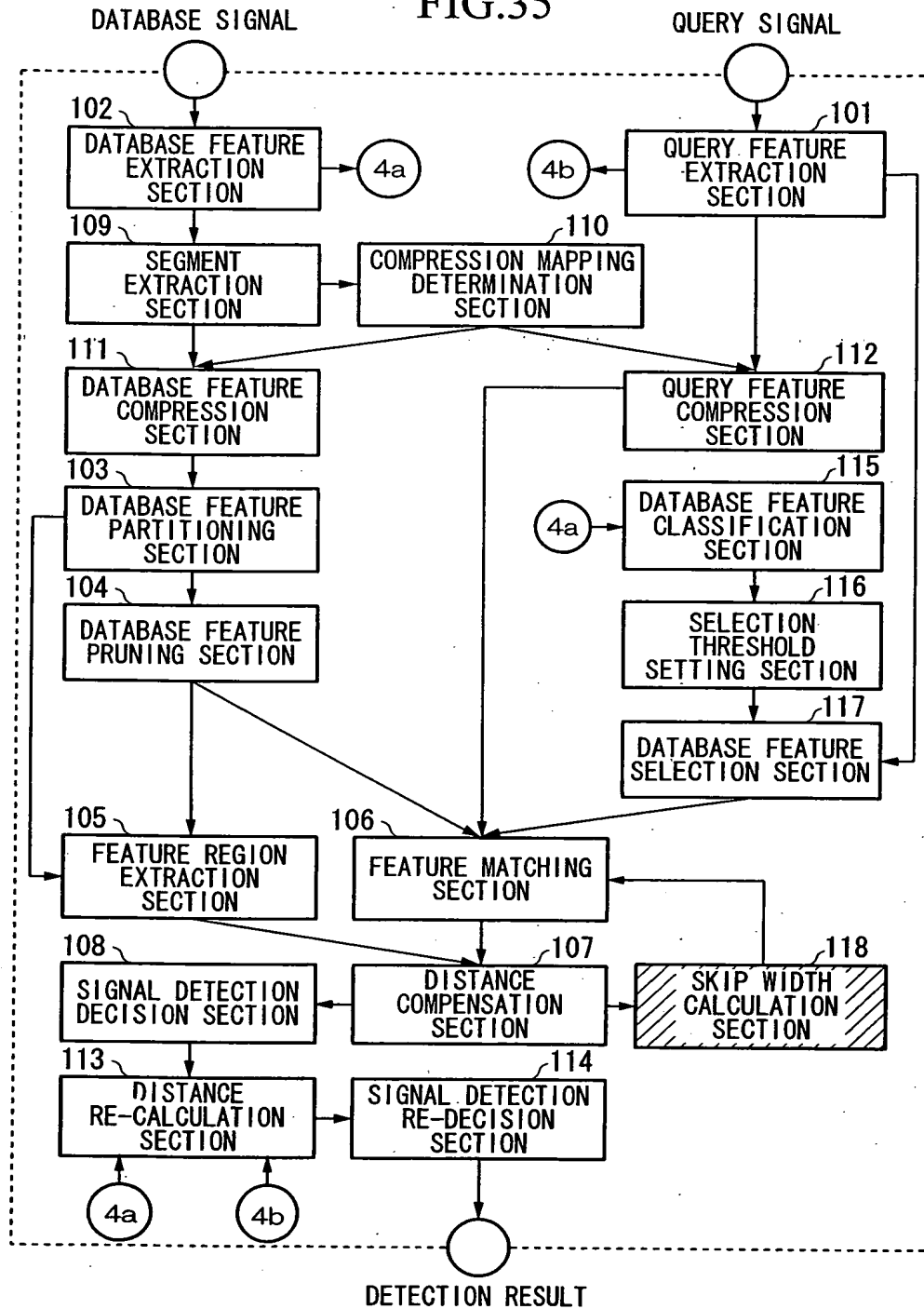
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FIG.34



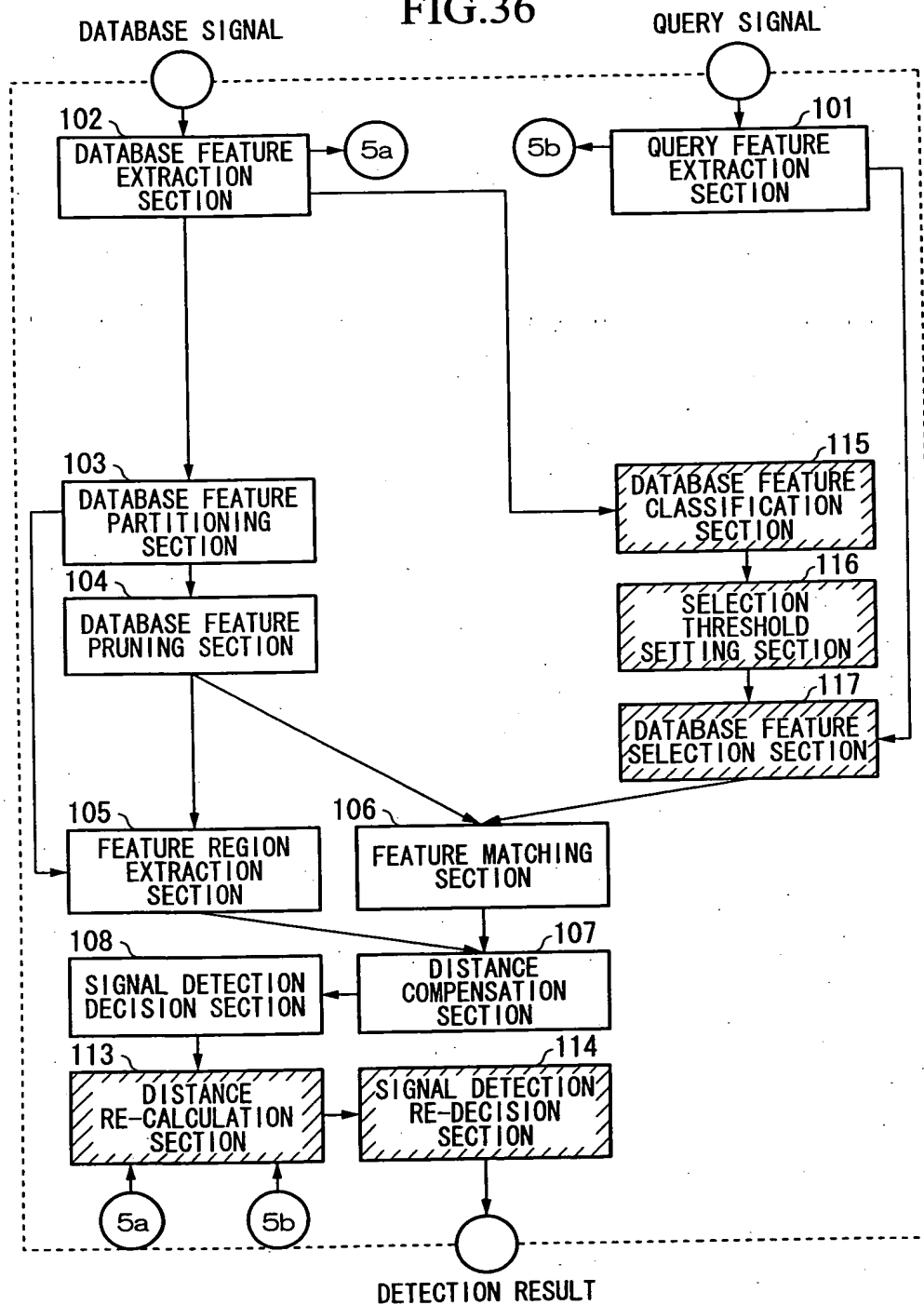
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FIG.35



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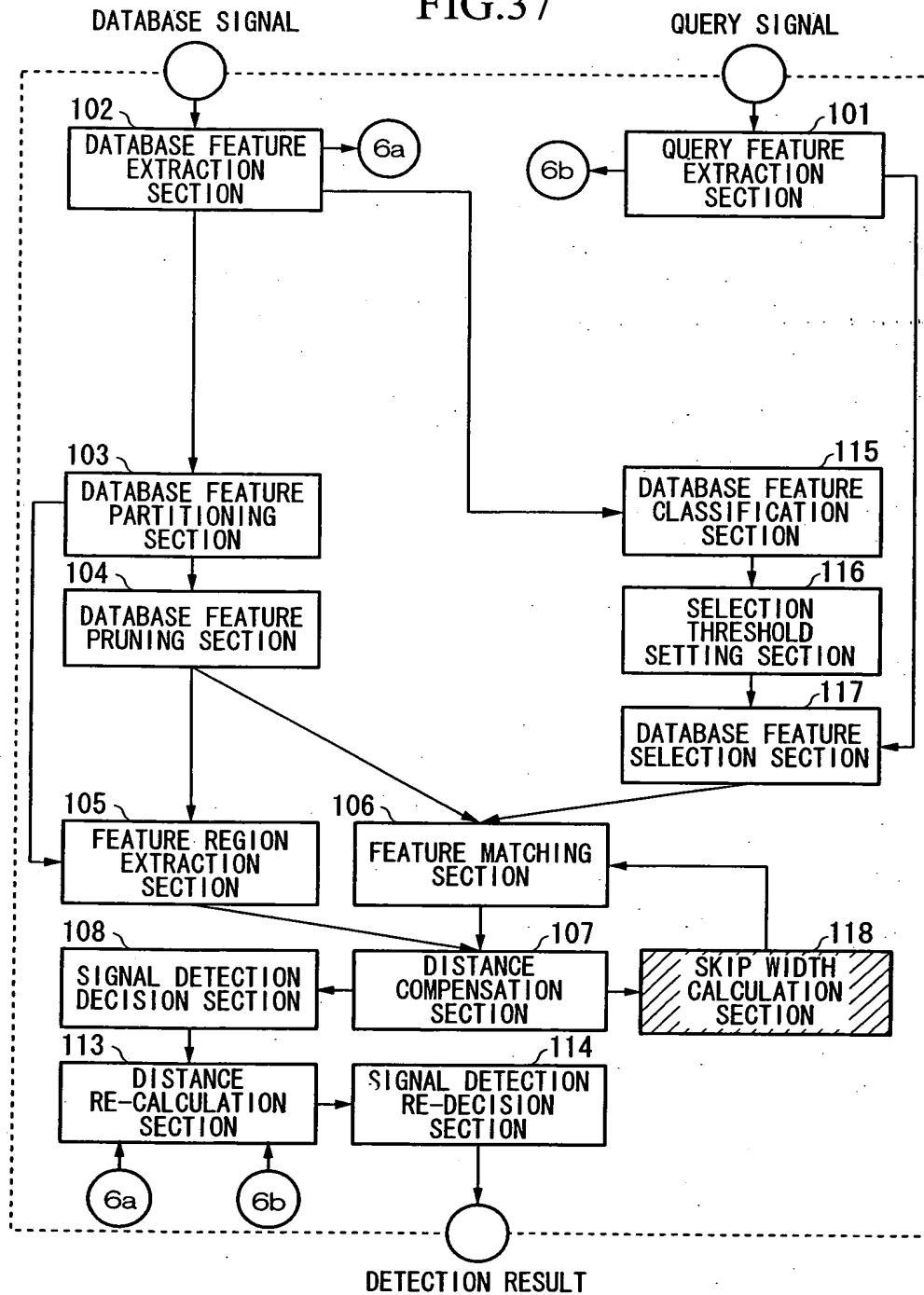
FIG.36





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FIG.37



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FIG.38

DATABASE FEATURE  
PARTITIONING SECTION 103

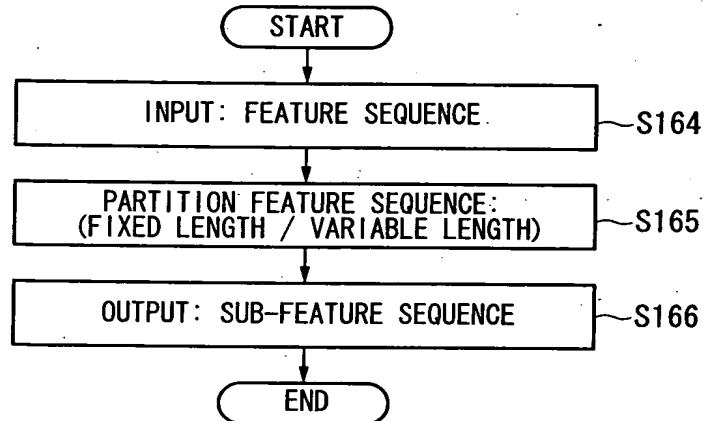
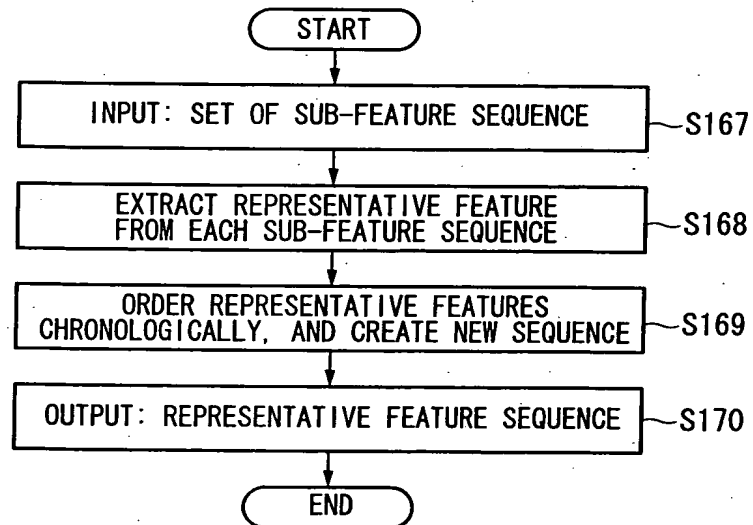


FIG.39

DATABASE FEATURE  
PRUNING SECTION 104



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FIG.40

FEATURE REGION EXTRACTION  
SECTION 105

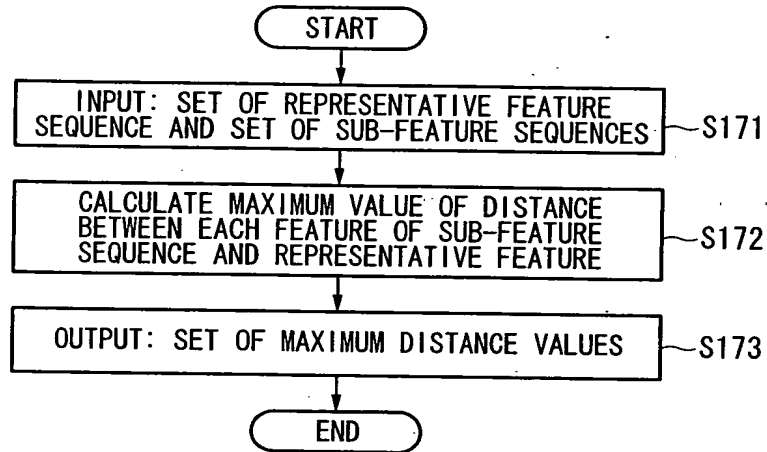
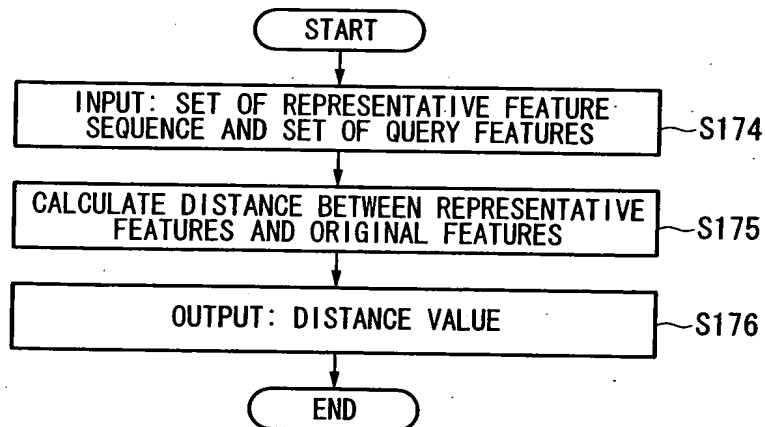


FIG.41

FEATURE MATCHING  
SECTION 106



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FIG.42

DISTANCE COMPENSATION  
SECTION 107

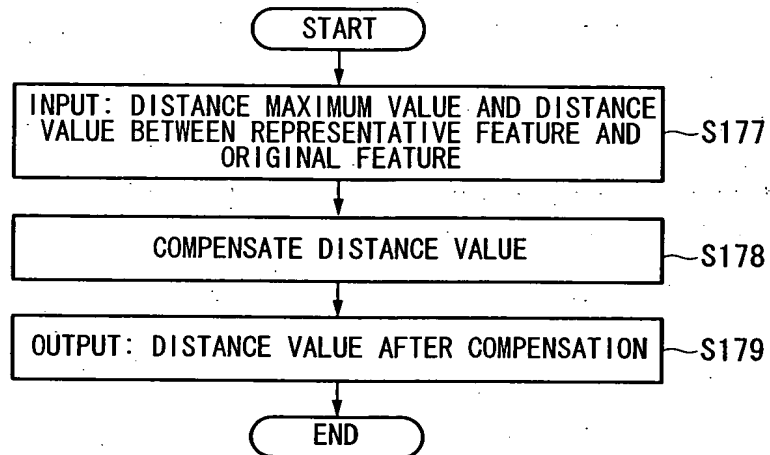
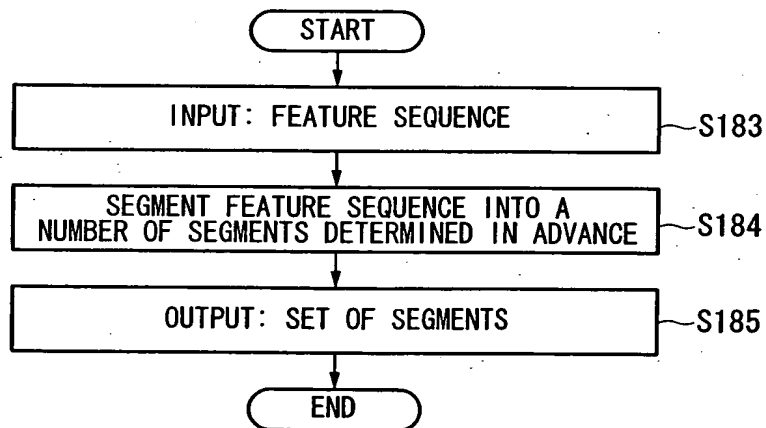


FIG.43

SEGMENT EXTRACTION SECTION 109



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FIG.44

DATABASE FEATURE CLASSIFICATION  
SECTION 115

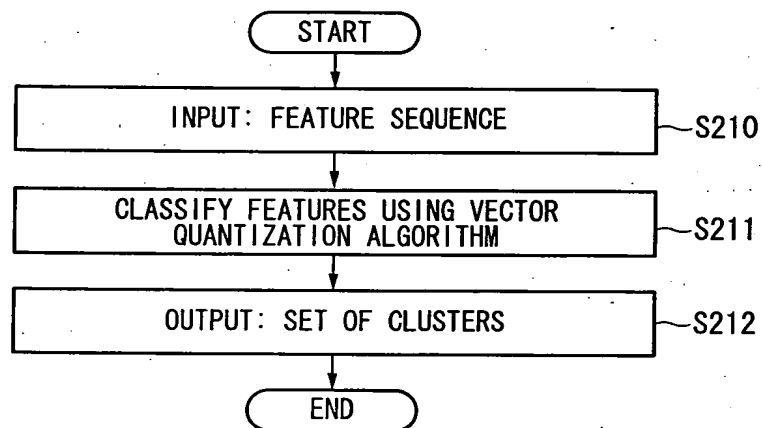
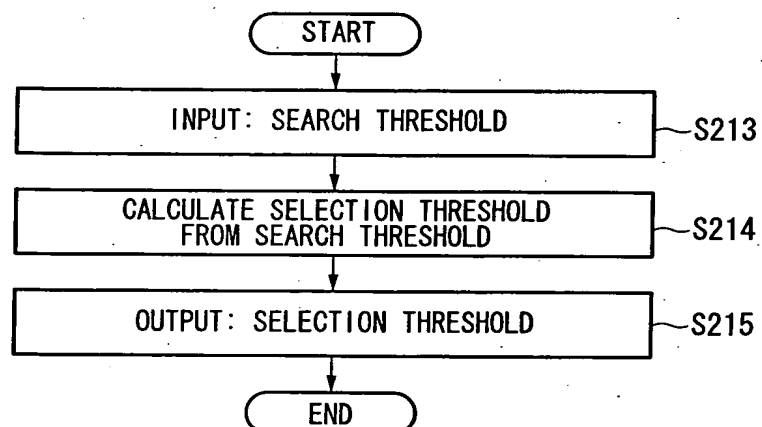


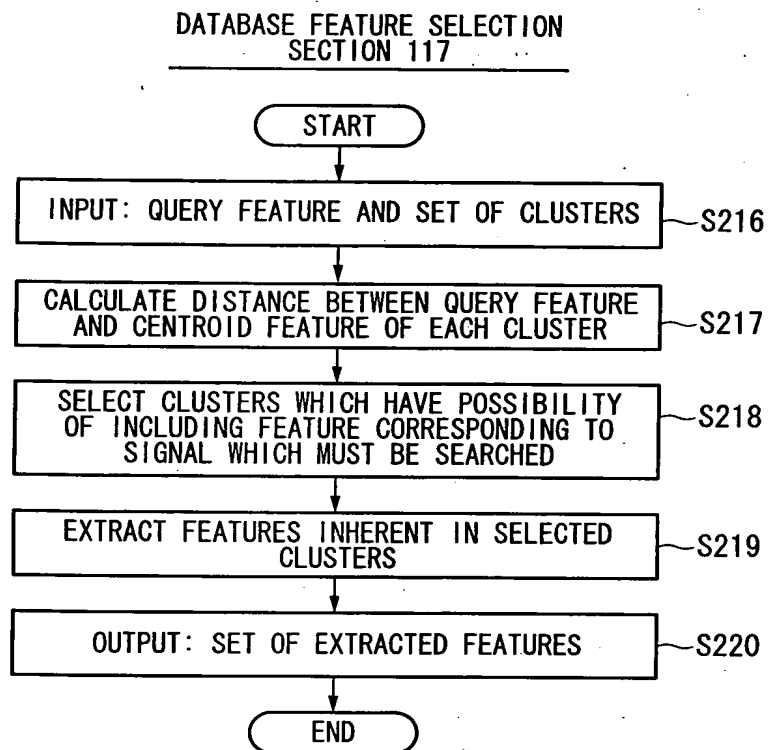
FIG.45

SELECTION THRESHOLD SETTING  
SECTION 116



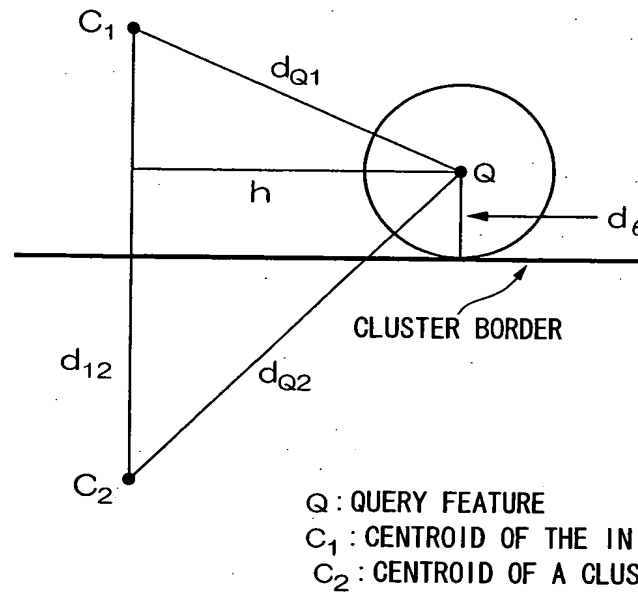
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FIG.46



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FIG.47



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FIG.48

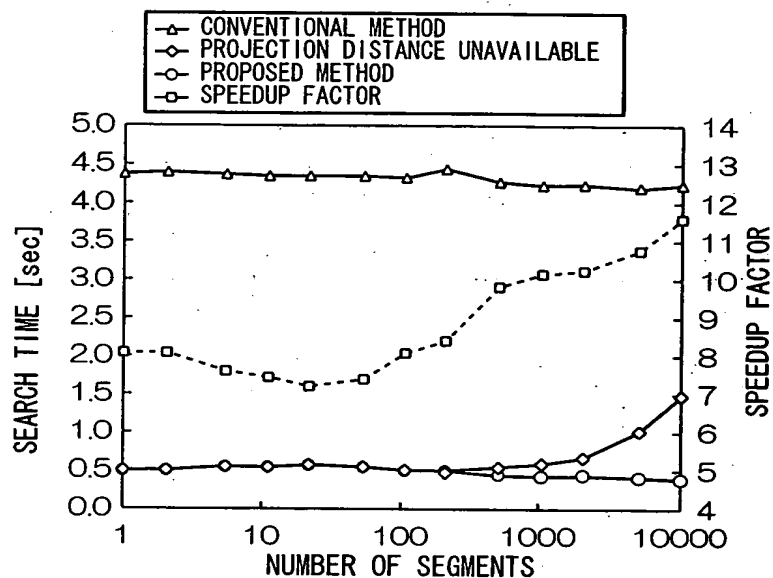
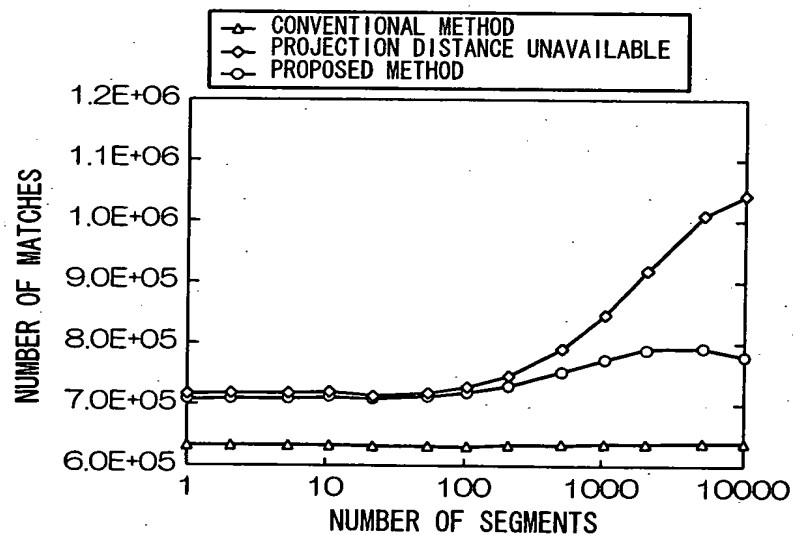


FIG.49





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FIG.50

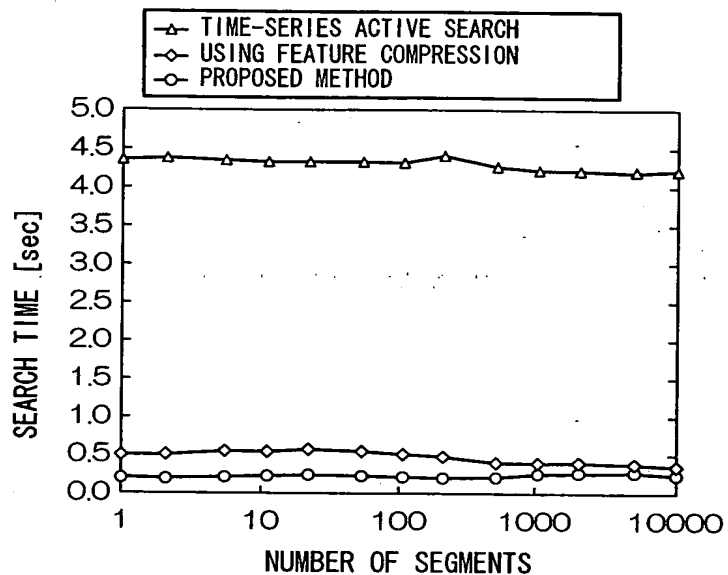
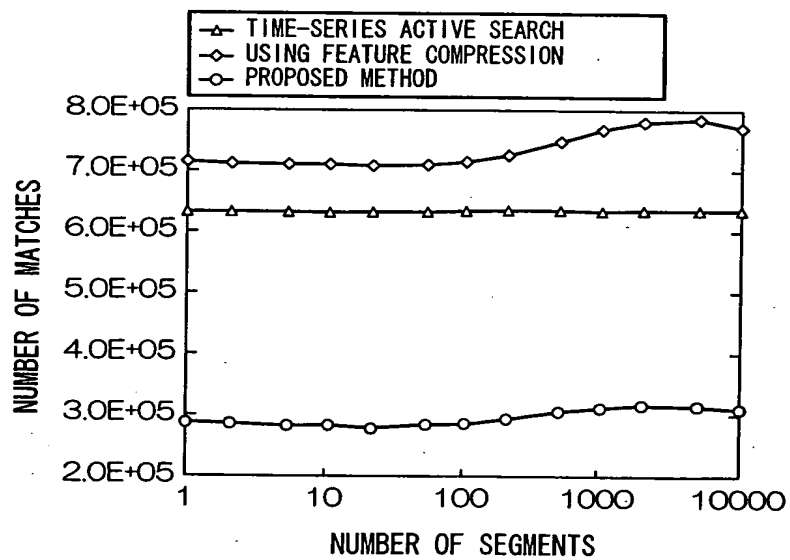
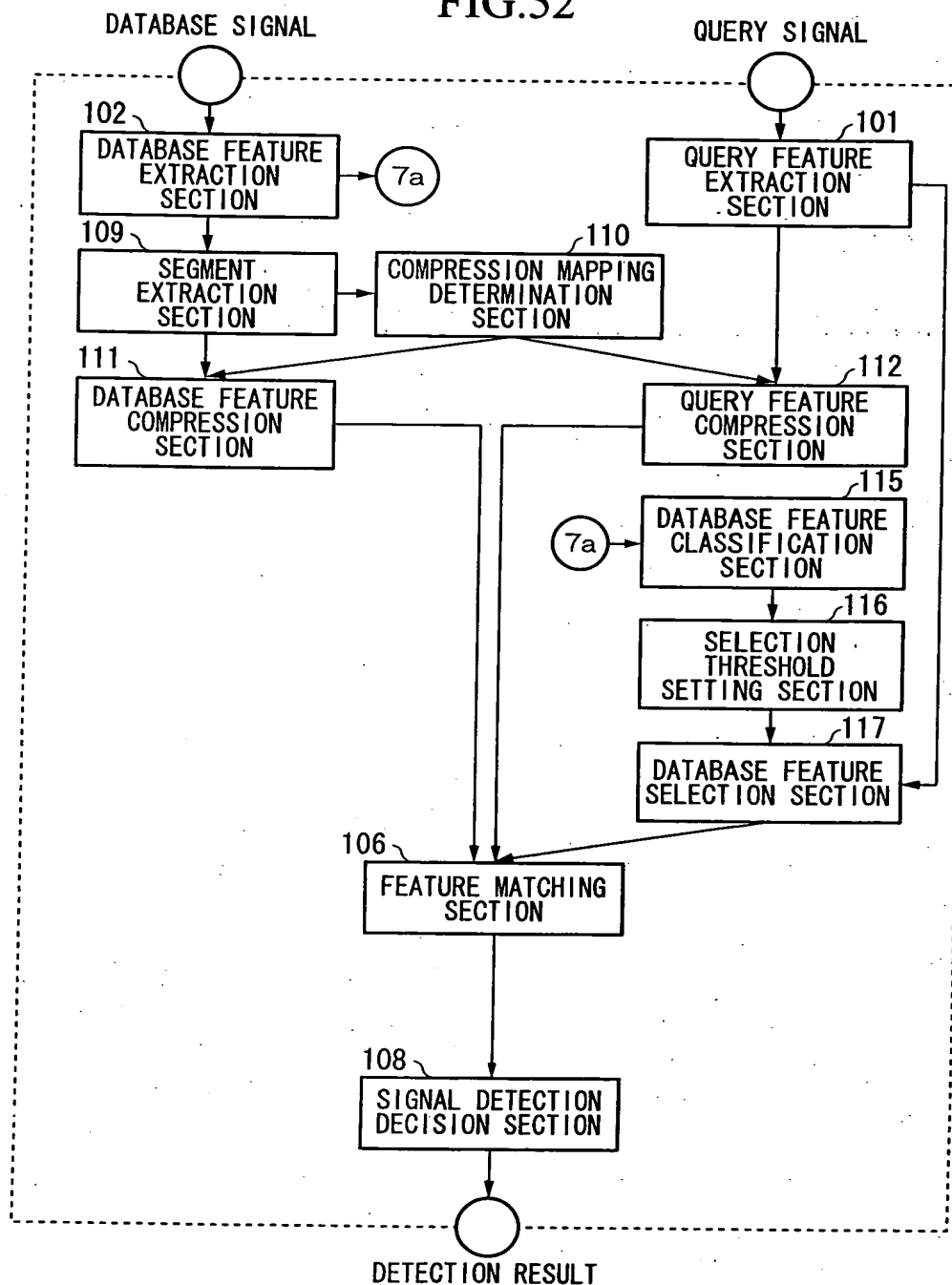


FIG.51



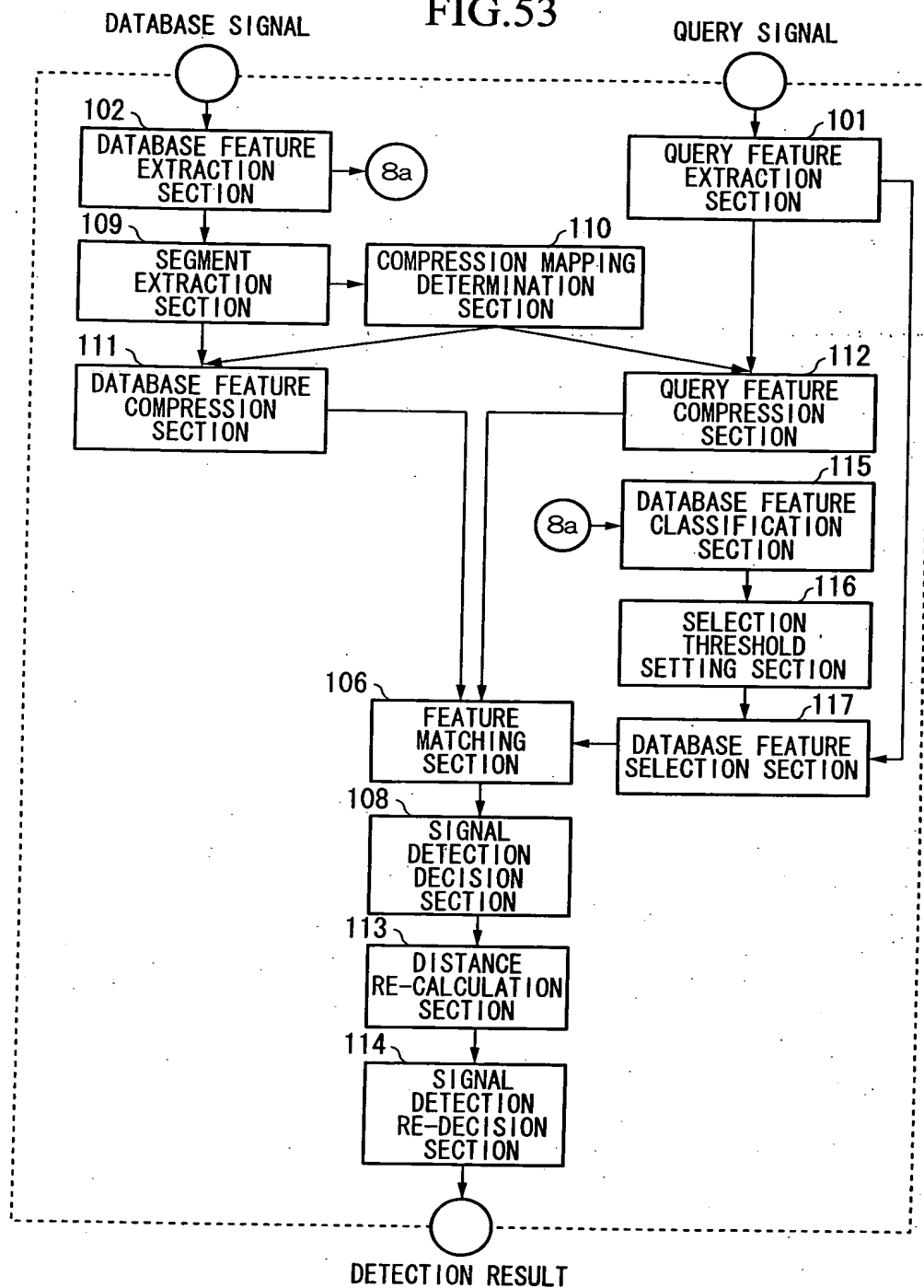
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FIG.52



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FIG.53



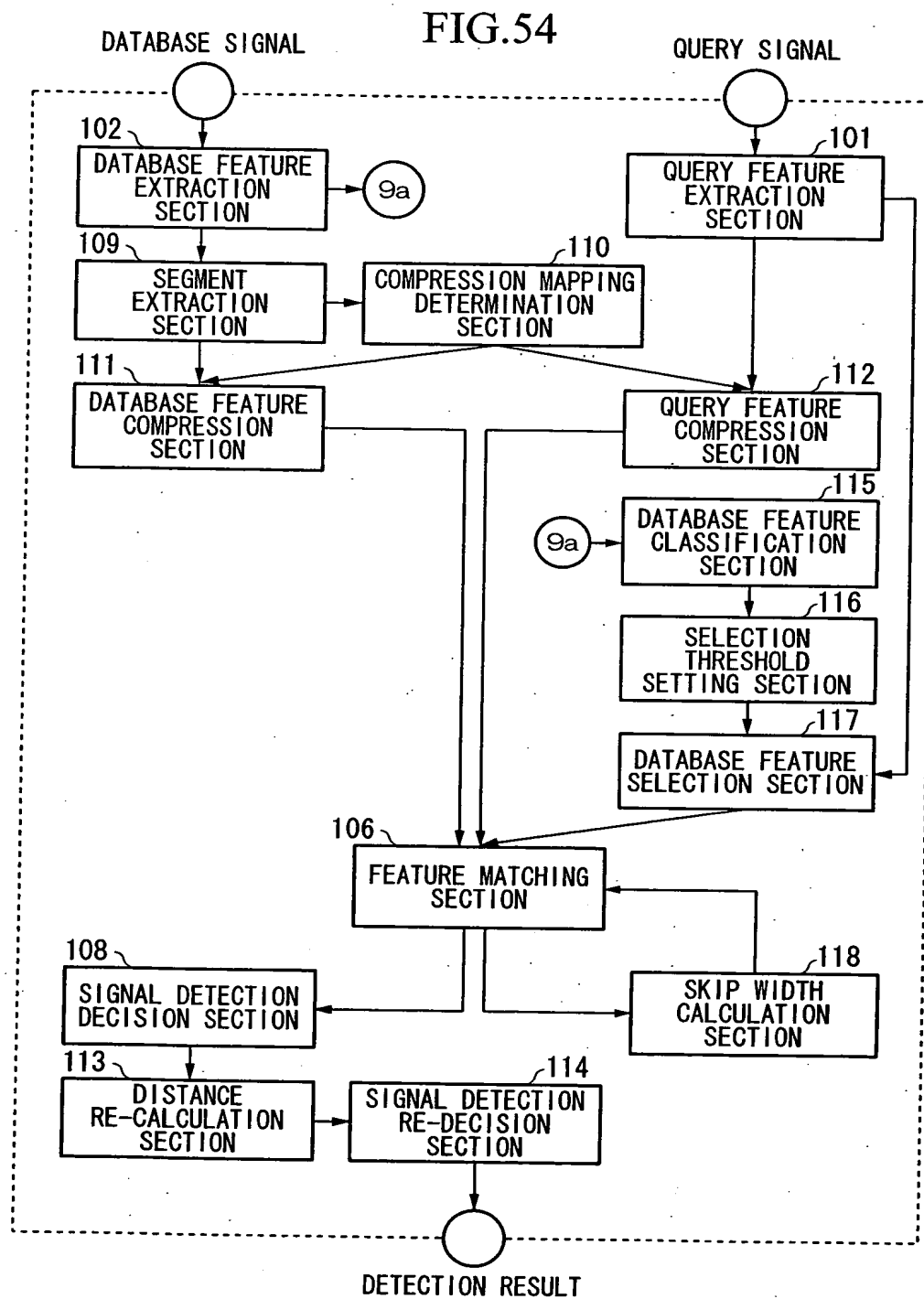
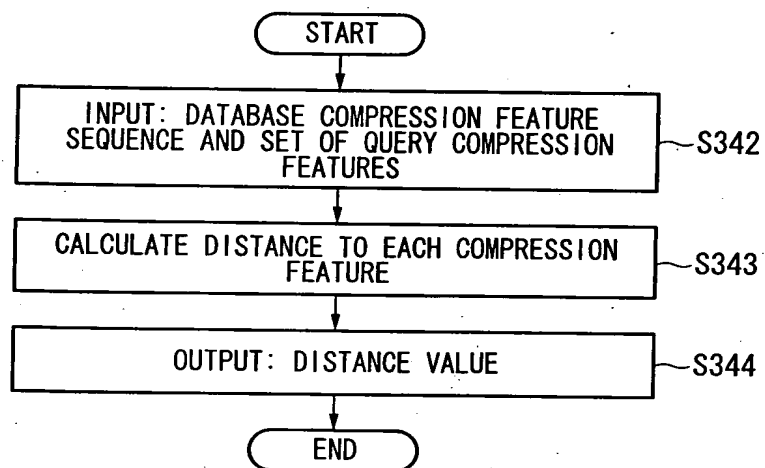


FIG.55

FEATURE MATCHING SECTION 106 (2)



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FIG.56

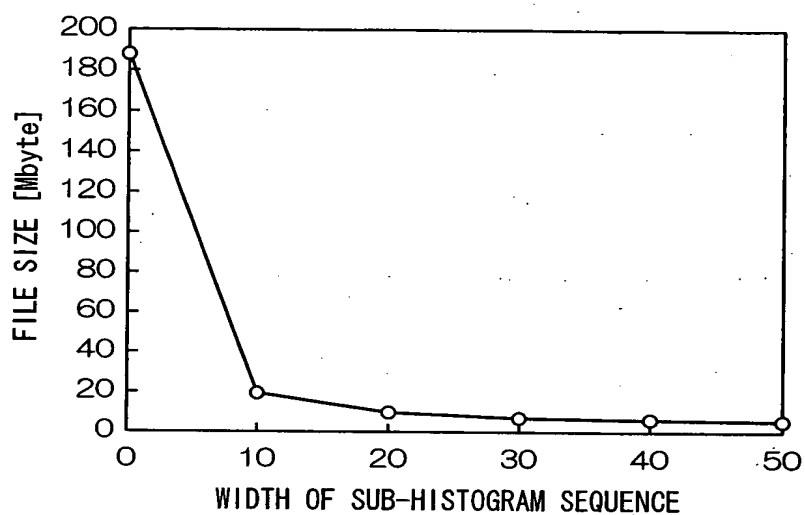


FIG.57

